

# INBAL BILLIE NAHUM-SHANI

## CURRICULUM VITAE

April 2024

University of Michigan  
Institute for Social Research

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## RESEARCH INTERESTS

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My research focuses on developing novel methodologies and behavioral theory to inform adaptive interventions, namely interventions that use ongoing information about the individual to modify the type/intensity/delivery-mode of support.

### *Health Psychology:*

- Adaptive Interventions
- Just-In-Time Adaptive Interventions
- Mobile Health (mHealth)
- Intervention Engagement
- Social Support, Stress and Health

### *Research Methods:*

- Sequential Multiple Assignment Randomized Trial (SMART)
- Factorial and Fractional Factorial Designs
- Micro-Randomized Trials (MRTs)
- Hybrid Experimental Designs (HEDs)
- Multilevel Experimental Designs and Data Analytics

## EDUCATION

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### **Ph.D. Behavioral and Management Sciences (2008)**

Technion - Israel Institute of Technology, Israel

### **M.A. Educational Leadership and Policy (Cum Laude 2003)**

School of Education, Haifa University, Israel

### **B.A. Educational Leadership and Sociology (2001)**

School of Education, Haifa University, Israel

## POSITIONS HELD

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- 2023-present **Research Professor (with tenure)**  
Institute for Social Research  
University of Michigan
- 2018-present **Founder and Director**  
Data-Science for Dynamic Decision-Making Center (d3c)  
Institute for Social Research  
University of Michigan
- 2017-2023 **Research Associate Professor (with tenure)**  
Institute for Social Research  
University of Michigan
- 2013-2017 **Research Assistant Professor**  
Institute for Social Research  
University of Michigan
- Research Fellow**  
Smithers Institute for Alcohol-Related Workplace Studies  
Cornell University
- 2010 – 2013 **Faculty Research Fellow**  
Survey Research Center, Institute for Social Research  
University of Michigan
- 2008-2009 **Research Associate (post-doctoral fellow)**  
The Methodology Center  
Pennsylvania State University
- 2004-2008 **Data Analyst**  
Statistics Lab, School of Industrial Engineering and Management, Technion: Israel  
Institute of Technology
- 2003-2005 **Project Coordinator**  
Haifa-Boston Leadership Foundation  
Haifa, Israel
- 2002-2004 **Project Coordinator**  
Substance Abuse Prevention Institute  
Haifa, Israel
- 2000-2002 **Project Coordinator**  
The Unit of Academic Planning and Evaluation  
Haifa University, Haifa, Israel

## AWARDS

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2020	Michigan Institute for Data Science Reproducibility Challenge Award: Translating Strategies for Promoting Engagement in Mobile Health: A Micro-randomized Feasibility Trial
2017	University of Michigan Research Faculty Recognition Award
2015	Outstanding Reviewer Award; Academy of Management: Academy of Management Discoveries.
2007	Best Dissertation Award; Academy of Management: Human Resource / SHRM Foundation
2002	Cum Laude for graduate students, Haifa University, Haifa, Israel.
2001	Cum Laude for graduate students, Haifa University, Haifa, Israel.

## GRANTS

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2024	<p><b>a2 Pilot Award in AI and technology (NIH/NIA)</b>; 4/24-3/25; \$285,000 A Digital Dyadic Coach to Promote Oral Health Self-Care in Older Adults PI: Nahum-Shani/Murphy/Shetty Role: Contact PI</p> <p><b>R01 GM15254901 (NIH/NIGMS)</b>, 3/24-11/27; \$1,223,984 Leveraging ML algorithms and data integration techniques to improve efficiency of causal moderation analyses of micro-randomized trial data. PI: Dempsey Role: Co-Investigator</p> <p><b>R34MH13305701 (NIH/NIMH)</b>, 4/2024-2/2027; \$702,000 Facilitating effective coping to reduce suicide risk following ED discharge: A micro-randomized trial to develop an adaptive text-based intervention. PI: Czyz/Horwitz Role: Co-Investigator</p>
2022	<p><b>R324 B220001 (IES)</b>, 7/22 - 6/25; \$800,000 Comprehensive Program for Adaptive Interventions Training in Education Sciences PI: Almirall/Nahum-Shani Role: MPI</p> <p><b>U01 CA229437-04S1 (NIH/NCI)</b>, 9/2020-8/2021; \$100,000 Supplement to 'novel use of mHealth data to identify states of vulnerability and receptivity to JITAIs. PI: Nahum-Shani/Wetter Role: Contact PI</p>

2021

**P50 DA054039 (NIH/NIDA), 9/21 - 6/26; \$13.2M**

Center for Methodologies for Adapting and Personalizing Prevention, Treatment and Recovery Services for SUD and HIV (MAPS Center)

PI: Nahum-Shani/Almirall/Collins/Murphy

Role: Contact PI

**R01 AA027994 (NIH/NIAAA), 4/2021 - 3/2026; \$518,547**

Evaluation and optimization of a just-in-time messaging intervention to reduce alcohol-facilitated intimate partner violence perpetration among at-risk young adult men and women.

PI: Stappenbeck

Role: Co-Investigator (Site PI)

**R01 MH126871 (NIH/NIMH), 7/2021 - 6/2026; \$151,030**

Adaptive intervention to prevent adolescent suicidal behavior following psychiatric hospitalization: A Sequential Multiple Assignment Randomized Trial.

PI: Czyz

Role: Co-Investigator

**R01 HD103904 (NIH/NICHD), 7/2021 - 6/2026; \$191,660**

mHealth-based just-in-time adaptive intervention to improve physical activity levels of individuals with spinal cord injury.

PI: Hiremath

Role: Co-Investigator (Site PI)

**R01 MH125857 (NIH/NIMH), 12/2021 - 11/2026; \$129,463**

Testing adaptive interventions to improve PTSD treatment outcomes in federally qualified health centers.

PI: Sripada

Role: Co-Investigator

**P01 AA029547 (NIH/NIAAA), 6/2021 - 5/2026; \$419,425**

SHARE Program: Innovations in translational behavioral science to improve self-management of alcohol and HIV in adolescents and emerging adults.

PI: Naar

Role: Co-Investigator (Site PI)

**U01 CE003382 (CDC), 9/2021 - 9/2026; \$86,659**

Michigan Youth Violence Prevention Center (YVPC): Building evidence for gun violence prevention.

PI: Zimmerman

Role: Co-Investigator

2020

**R01 DA039901 (NIH/NIDA), 9/15 - 5/25; \$2,913,828**

Novel methods for intensive longitudinal data in SMART studies of drug use and HIV.

PI: Nahum-Shani/Almirall

Role: Contact PI

**R34 MH124767 (NIH/NIMH), 9/2020 - 8/2023; \$702,000**

Developing text-based support for parents of suicidal adolescents after emergency department visits: A multi-component intervention pilot.

PI: Czyz  
Role: Co-Investigator

**U01 CA229437-03S1 (NIH/NCI), 9/2020-8/2021; \$214,062**

Supplement to 'novel use of mHealth data to identify states of vulnerability and receptivity to JITAIs'.

PI: Nahum-Shani/Wetter  
Role: Contact PI

2019

**UG3 DE028723 (NIH/NIDCR), 4/19 - 3/25; \$623,644**

Personalized digital behavior change interventions to promote oral health. PI: Shetty  
Role: Co-Investigator (Site PI)

**R01 CA224537 (NIH/NCI), 1/19 - 12/22; \$281,166**

Affective science and smoking cessation: Real-time, real-world assessment.

PI: Lam  
Role: Co-Investigator (Site PI)

**Redleaf Foundation, 6/19 - 6/20; \$26,996**

The utility and feasibility of mobile technology in prevention interventions to promote child and family mental health: A Demonstration and feasibility project among military families.

PI: Gewirtz  
Role: Co-Investigator (Site PI).

**U01 CA229437 (NIH/NCI), 9/18 - 8/22; \$2,535,251**

Novel use of mHealth data to identify states of vulnerability and receptivity to JITAIs.

PI: Nahum-Shani/Wetter  
Role: Contact PI

**R01 AA026574 (NIH/NIAAA), 9/18 - 8/21; \$463,478**

An adaptive preventive intervention (API) to optimize the transition from universal to indicated resources for college student alcohol use.

PI: Patrick  
Role: Co-Investigator

**PCS 2017C2-7613 (PCORI), 10/18 - 9/20; \$35,840**

Multi-level interventions for increasing tobacco cessation at FQHCs.

PI: Wetter  
Role: Co-Investigator (Site PI)

**MICHR Accelerating Synergy, 9/2018 - 8/2019; \$100,000**

Center for adaptive interventions for prevention/intervention for youth substance abuse.

PI: Walton/Nahum-Shani  
Role: MPI

**R324 B180003 (IES), 7/18 - 6/21; \$438,479**

Getting SMART about adaptive interventions in education.

PI: Almirall/Nahum-Shani  
Role: MPI

2016

**R01 DK108678 (NIH/NIDDK), 3/16 - 2/21; \$179,077**

SMART weight loss management.  
PI: Spring/Nahum-Shani  
Role: MPI

2015

**R01 DA039901 (NIH/NIDA)**, 9/15 - 7/20; \$3,051,515  
Novel longitudinal methods for SMART studies of drug abuse and HIV.  
PI: Nahum-Shani/Almirall  
Role: Contact PI

**P50 DA039838 (NIH/NIDA)**, 9/15 - 8/20; \$2,497,042  
Innovative methods for constructing just-in-time adaptive interventions.  
PI: Collins; Project Lead: Murphy  
Role: Co-Investigator

**R01 AA023187 (NIH/NIAAA)**, 9/15 - 8/20; \$2,922,274  
Data-based methods for just-in-time adaptive interventions in alcohol use.  
PI: Murphy  
Role: Co-Investigator.

2014

**P50 DA10075 (NIH/NIDA) Pilot Study Funding**  
Developing just in time adaptive interventions for promoting mental health among college students.  
PI: Collins  
Role: Pilot Study PI

**U54 EB020404 (NIH)**, 9/14 - 9/20; \$618,351  
Center of excellence on mobile sensor data-to-knowledge (MD2K).  
PI: Kumar  
Role: Co-Investigator

**R01 MH103244 (NIH/NIMH)**, 4/14 - 3/19; \$3,104,133  
Electronic bridge to mental health (eBridge) for college students.  
PI: King  
Role: Co-Investigator.

2013

**UM Global Challenges for the Third Century, Phase I**, 06/13 - 05/14; \$251,000  
Engaging the student community to develop a universal, video-based mental health intervention for young people.  
PI: Eisenberg  
Role: Co-Investigator

**R01 AA022113 (NIH/NIAAA)**, 11/13 - 10/18; \$379,628  
The college-to-work transition & alcohol misuse.  
PI: Bacharach  
Role: Co-Investigator (Site PI).

**Blue Cross Blue Shield of Michigan Foundation Award**, 07/13 - 12/14; \$74,934  
Online innovative video-based intervention.  
PI: Eisenberg  
Role: Co-Investigator

**RC1 AA019092 (NIH/NIAAA), \$61,657**

Statistical methods for sequential treatment decisions in alcoholism.

PI: Lynch

Role: Co-Investigator (Site PI).

**University of Michigan's Interdisciplinary Committee on Organizational Studies (ICOS); Small Grant, \$8,000**

Aggression in healthcare organizations

PI: Nahum-Shani

Role: PI

**Mcubed University of Michigan, 01/13 - 08/14; \$60,000**

Developing real-time adaptive interventions using mobile technology.

Role: MPI.

2008

**P50 DA10075 (NIH/NIDA) Pilot Study Funding,**

Conceptual and methodological framework for understanding help-seeking dynamics.

PI: Collins

Role: Pilot Study PI

## PUBLICATIONS

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\* Student/Mentored research

\*\* Senior author

\*\*\* Senior and corresponding author

1. **Nahum-Shani, I.**, & Yoon, C. (in press). Towards the science of engagement with digital interventions. *Current Directions in Psychological Science*.
2. Jones, D.R.,\* Potter, L.N.,\* Schlechter, C.R., Lam, C.Y., **Nahum-Shani, I.**, Fagundes, C., & Wetter, D.W. (in press). Examining associations between distinct emotions and tobacco lapse during a quit attempt among African American smokers. *Annals of Behavioral Medicine*.
3. Xie, Q.\*, Riordan, K.M., Baldwin, S.A., Simonsson, O., Hirshberg, M.J., Dahl, C. J., **Nahum-Shani, I.**, Davidson, R.J., & Goldberg, S.B.\* (in press). Is informal practice associated with outcomes in loving-kindness and compassion training? Evidence from pre-post and daily diary assessments. *Behaviour Research and Therapy*.
4. Bayrakdarian, N.D., Bonar, E.E., Duguid, I., Hellman, L., Salino, S., Wilkins, C., Jannausch, M., McKay, J.R., Staton, M., Dollard, K., **Nahum-Shani, I.**, Walton, M.A., Blow, F.C., & Coughlin, L.N.\* (in press). Acceptability and feasibility of a mobile behavioral economic health intervention to reduce alcohol use in adults in rural areas. *Drug and Alcohol Dependence Reports*.
5. **Nahum-Shani, I.**, Greer, Z.M., Trella, A.L., Zhang, K.W., Carpenter, S.M., Ruenger, D., Elashoff, D., Murphy, S.A., Shetty, V. (in press). Optimizing an adaptive digital oral health intervention for promoting oral self-care behaviors: Micro-randomized trial protocol. *Contemporary Clinical Trials*.
6. Spring, B., Pfammatter, A.F., Scanlan, L., Daly, E., Reading, J., Battalio, S., McFadden, G., Hedeker, D., Siddique, J., **Nahum-Shani, I.\*\*** (in press). Adaptive behavioral intervention for weight loss management: A non-inferiority randomized clinical trial. *JAMA*.

7. Xie, Q.,\* Dyer, R. L., Lam, S., Frye, C., Dahl, C. J., Quanbeck, A., **Nahum-Shani, I.**, Davidson, R. J., & Goldberg, S. B. (in press). Understanding the implementation of informal meditation practice in a smartphone-based intervention: A qualitative analysis. *Mindfulness*.
8. Potter, L. N.,\* **Nahum-Shani, I.**, & Wetter, D.W. (in press). Editorial: Digital technology for tobacco control: Novel data collection, study designs, and interventions. *Frontiers in Digital Health*.
9. Carpenter, S.M.,\* Greer, Z.M., Newman, R., Murphy, S.A., Shetty, V., & **Nahum-Shani, I.\*\*** (in press). Developing message strategies to engage racial and ethnic minority groups in digital oral self-care interventions: A participatory co-design approach. *JMIR Formative Research*.
10. Collins, L.M., **Nahum-Shani, I.** Guastaferro, K., Strayhorn, J.C., Vanness, D.J., & Murphy, S.A. (in press). Intervention optimization: A paradigm shift and its potential implications for clinical psychology. *Annual Review of Clinical Psychology*.
11. **Nahum-Shani, I.**, & Naar, S. (2023). Digital adaptive behavioral interventions to improve HIV prevention and care: Innovations in intervention approach and experimental design. *Current HIV/AIDS Reports*. <https://doi.org/10.1007/s11904-023-00671-z>
12. Dziak, J. J., Almirall, D., Dempsey, W., Stanger, C., & **Nahum-Shani, I.\*\*** (2023). SMART binary: New sample size planning resources for SMART studies with binary outcome measurements. *Multivariate Behavioral Research*. <https://arxiv.org/abs/2110.05535v3>
13. Sripada, R. K., Peterson, C. L., Dziak, J. J., **Nahum-Shani, I.**, Roberge, E. M., Martinson, A. A., ... & Chard, K. (2023). Using the multiphase optimization strategy to adapt cognitive processing therapy (CPT MOST): study protocol for a randomized controlled factorial experiment. *Trials*, 24(1), 676.
14. Davis-Ewart, L., Grov, C., Verhagen, R., Manuel, J., Viamonte, M., Dilworth, S., O'Dell, N., Valentin, O., Carr, S., Cherenack, E., Henderson, C., Doblecki-Lewis, S., **Nahum-Shani, I.**, & Carrico, A. W. (2023). Motivational Enhancement Interventions to Increase Pre-Exposure Prophylaxis Use in Sexual Minority Men Who Use Stimulants: Protocol for a Pilot Sequential Multiple Assignment Randomized Trial. *JMIR Research Protocols*, 12(1), e48459.
15. Cadmus-Bertram, L.,\* Solk, P., Agnew, M., Starikovskiy, J., Schmidt, C., Morelli, W.A., Hodgson, V., Freeman, H., Muller, L., Mishory, A., Naxi, S., Carden, L., Tevaarwerk, A.J., Wolter, M., Barber, E., Spencer, R., Sesto, M.E., Gradishar, W., Gangnon, R., Spring, B., **Nahum-Shani, I.**, & Phillip, S.M.,\* (2023). A multi-site trial of an electronic health integrated physical activity promotion intervention in breast and endometrial cancers survivors: MyActivity study protocol. *Contemporary Clinical Trials*, 130, 107187.
16. Chow, S-M., **Nahum-Shani, I.**, Baker, J. T., Spruijt-Metz, D., Allen, N.B., Auerbach, R.P., Dunton, G. F., Friedman, N.P., Intille, S., Klasnja, P., Marlin, B., Nock, M.K., Rauch, S.L., Pavel, M., Vrieze, S., Wetter, D.W., Kleiman, E.M., Brick, T.R., Perry, H., Wolff-Hughes, D.L. & Intensive Longitudinal Health Behavior Network (ILHBN) (2023). The Intensive Longitudinal Health Behavior Network (ILHBN): Challenges, opportunities, and solutions from harmonizing data under heterogeneous study designs, target populations, and measurement protocols. *Translational Behavioral Medicine*, 13(1), 7-16.
17. Czyz, E. K., King, C. A., Al-Dajani, N., Zimmermann, L., Hong, V., & **Nahum-Shani, I.\*** (2023). Ecological momentary assessments and passive sensing in the prediction of short-term suicidal ideation in young adults. *JAMA Network Open*, 6(8), e2328005-e2328005.



18. Czyz, E.K.,\* Koo, H.J.,\* Al-Dajani, N.,\* King, C.A., & **Nahum-Shani, I.\*\*** (2023). Predicting short-term suicidal thoughts in adolescents using machine learning: Developing decision tools to identify daily-level risk after hospitalization. *Psychological Medicine*, 53(7), 2982-2991.
19. Davis-Ewart, L., Grov, C., Verhagen, R., Manuel, J., Viamonte, M., Dilworth, S., Valentin, O., Cherenack, E.M., Carr, S., Doblecki-Lewis, S., **Nahum-Shani, I.**, & Carrico, W.A. (2023). Randomized controlled trial of motivational enhancement interventions to increase pre-exposure prophylaxis use in sexual minority men who use stimulants. *Research Square*. <https://doi.org/10.21203/rs.3.rs-2787003/v1>
20. Liu, S., Bamberger, P.A., & Wang, M., **Nahum-Shani, I.**, Larimer, M., Bacharach, S. (2023). Behavior change versus stability during the college-to-work transition: Life course and the “stickiness” of alcohol misuse at career entry. *Personnel Psychology*, 76(3), 945-975.
21. Montal-Rosenberg, R., Bamberger, P. A., **Nahum-Shani, I.**, Wang, M., Larimer, M., & Bacharach, S. B. (2023). Supervisor undermining, social isolation and subordinates’ problematic drinking: The role of depression and perceived drinking norms. *Journal of Drug Issues*, 53(1), 37-60.
22. **Nahum-Shani, I.**, Dziak, J.J., Venera, H.,\* Pfammatte, A.F., Spring, B., & Dempsey, W. (2023). Design of experiments with sequential randomizations on multiple timescales: The hybrid experimental design. *Behavior Research Methods*.
23. Potter, L. N.,\* Schlechter, C. R.,\* **Nahum-Shani, I.**, Lam, C. Y., Cinciripini, P. M., & Wetter, D. W. (2023). Socio-economic status moderates within-person associations of risk factors and smoking lapse in daily life. *Addiction*, 118(5), 925-934.
24. Potter, N.L.,\* Yap, J.,\* Dempsey, H.W., Wetter, W.D., & **Inbal Nahum Shani\*\*** (2023). Integrating intensive longitudinal data (ILD) to inform the development of dynamic theories of behavior change and intervention design: A case study of scientific and practical considerations. *Prevention Science*. <https://doi.org/10.1007/s11121-023-01495-4>
25. Sobolev, M.,\* Anand, A.,\* Dziak, J.J., Potter, N.L., Lam, Y.C., Wetter, W.D., & **Nahum-Shani, I.\*\*** (2023). Time-varying model of engagement with digital self reporting: Evidence from smoking cessation longitudinal studies. *Frontiers in Digital Health*, 5, 1144081.
26. Sripada R.K.,\* Smith, K., Walters, H.M., Ganoczy, D., Kim, H.M., Grau, P.P., **Nahum-Shani, I.**, Possemato, K.K., Kuhn, E.R., Zivin, K., Pfeiffer, P.N., Bohnert, K.M., Cigrang, J., Avallone, K., & Rauch, S.A.M. (2023). Testing adaptive interventions to improve PTSD treatment outcomes in federally qualified health centers: Protocol for a randomized clinical trial. *Contemporary Clinical Trials*, 129, 107182.
27. Trella, A. L.,\* Zhang, K. W., **Nahum-Shani, I.**, Shetty, V., Doshi-Velez, F., & Murphy, S. A. (2023). Reward design for an online reinforcement learning algorithm supporting oral self-care. *Proceedings of the AAAI Conference on Artificial Intelligence*, 37(13), 15724-15730.
28. Yap, J.,\* Dziak, J.J., Maiti, R.,\* Lynch, K., McKay, J., Chakraborty, B., & **Nahum-Shani, I.\*\*** (2023). Sample size estimation for comparing dynamic treatment regimens in a SMART: a Monte Carlo-based approach and case study with longitudinal overdispersed count outcomes. *Statistical Methods in Medical Research*, 32(7), 1267-1283.
29. Anderson, M.A.,\* Budney, A.J., Jacobson, N.C., **Nahum-Shani, I.**, & Stanger, C. (2022). End user participation in the development of an ecological momentary intervention to improve coping with cannabis cravings: Formative study. *JMIR Formative Research*, 6(12), e40139.

30. Carpenter, S.M.,\* Yap, J., Patrick, M.E., Morrell, N., Dziak, J.J., Almirall, D., Yoon, C., & **Nahum-Shani, I.**\*\*\* (2022). Self-relevant appeals to engage in self-monitoring of alcohol use: A micro-randomized trial (2022). *Psychology of Addictive Behaviors*, 37(3), 434–446.
31. Coughlin, L.N.,\* Bonar, E.E., Walton, M.A., Fernandez, A., Duguid, I. & **Nahum-Shani, I.**\*\* (2022). New directions for motivational incentive interventions for smoking cessation. *Frontiers in Digital Health*, 4, 803301.
32. Horwitz, A.,\* Czyz, E.,\* Al-Dajani, N.,\* Dempsey, W., Zhao, Z., **Nahum-Shani, I.**, & Sen, S. (2022). Utilizing daily mood diaries and wearable sensor data to predict depression and suicidal ideation among medical interns. *Journal of Affective Disorders*, 313(15), 1-7.
33. Militello, L., Sobolev, M.,\* Okeke, F.,\* Adler, D.A., & **Nahum-Shani, I.**\*\* (2022). Digital prompts to increase engagement with the headspace app and for stress regulation among parents: Feasibility study. *JMIR Formative Research*, 6(3), e30606.
34. **Nahum-Shani, I.**, Dziak, J.J., Walton, M.A., Dempsey, W. (2022). Hybrid experimental designs for intervention development: What, why and how. *Advances in Methods and Practices in Psychological Science*, 5(3). <https://doi.org/10.1177/25152459221114279>
35. **Nahum-Shani, I.**, Dziak, J.J., & Wetter, D.W. (2022). MCMTC: A pragmatic framework for selecting an experimental design to inform the development of digital interventions. *Frontiers in Digital Health*, 4, 798025.
36. **Nahum-Shani, I.**, Shaw, S.,\* Carpenter, S.,\* M., Murphy, S. A., & Yoon C. (2022). Engagement in digital interventions. *American Psychologist*. Advance online publication. <https://doi.org/10.1037/amp0000983>
37. Ullah, M.A.,\* Chatterjee, S.,\* Fagundes, C.P., Lam, C., **Nahum-Shani, I.**, Rehg, J.M., Wetter, D.W., Kumar, S. (2022). mRisk: Continuous risk estimation for smoking lapse from noisy sensor data with incomplete and positive-only labels. *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies*, 6(3), 1–29.
38. Trella, A.L.,\* Zhang, K.W., **Nahum-Shani, I.**, Shetty, V., Doshi-Veles, F., Murphy, S.A. (2022). Designing reinforcement learning algorithms for digital interventions: Pre-implementation guidelines. *Algorithms*, 15(8), 255; <https://doi.org/10.3390/a15080255>
39. Qian, T.,\* Walton, A.E.,\* Collins, L.M., Klasnja, P., Lanza, S.T., **Nahum-Shani, I.**, Rabbi, M., Russell, M.A., Walton, M.A., Yoo, H., Murphy, S.A., (2022). The micro-randomized trial for developing digital interventions: Experimental design and data analysis considerations. *Psychological Methods*, 27(5), 874–894.
40. Battalio, S.,\* Conroy, D.E., Dempsey, W., Menictas, M.,\* Murphy, S.A., **Nahum-Shani, I.**, Qian, T.,\* Kumar, S., & Spring, B. (2021). Sense2Stop: A Micro-randomized trial using wearable sensors to optimize a just-in-time-adaptive stress management intervention for smoking relapse prevention. *Contemporary Clinical Trials*, 109, 106534.
41. Coughlin, L.,\* **Nahum-Shani, I.**, Bonar, E.E., Philyaw-Kotov, M., Rabbi, M. Klasnja, P., & Walton, M.A., (2021). Toward a JITAI to reduce young adult alcohol use: Testing approaches for identifying when to intervene. *Substance Use & Misuse*, 54(14), 2115-2125.
42. Coughlin, L.N.,\* **Nahum-Shani, I.**, Kotov, M., Bonar, E.E., Rabbi, M., Klasnja, P., Murphy, S.A., & Walton, M.A., (2021). Developing an adaptive intervention for substance use prevention among adolescents and emerging adults: Feasibility and acceptability of a mobile health app. *JMIR mHealth and uHealth*, 9(1), e24424.

43. Czyz, E.K.,\* King, C.A., Prouty, D., Micol, V.J., Walton, M., & **Nahum-Shani, I.\*\*** (2021). Adaptive intervention for prevention of adolescent suicidal behavior after hospitalization: A pilot sequential multiple assignment randomized Trial. *Journal of Child Psychology and Psychiatry*, 62(8), 1019-1031.
44. Gibson, B., Kramer, H., Weir, C., Fiol, G., Borbolla, D., Schlechter, C.R., Lam, C., Nelson, M., Bohner, C., Schulthies, S., Sieperas, T., Pruhs, A., **Nahum-Shani, I.**, Fernandez, M.E., & Wetter, D.W. (2021). Workflow analysis for design of an electronic health record-based tobacco cessation intervention in community health centers. *JAMIA Open*, ooaa070, <https://doi.org/10.1093/jamiaopen/ooaa070>.
45. Hojjatinia, S.,\* Daly, E., Hnat, T., Hossain, S., Kumar, S., Lagoa, C., **Nahum-Shani, I.**, Samiei, S., Spring, & Conroy, D. (2021). Dynamic models of stress-smoking responses based on high-frequency sensor data. *Nature NPJ Digital Medicine*, 4(1), 1-11.
46. **Nahum-Shani, I.**, Potter, L.N.,\* Lam, C.Y., Yap, J., Moreno, A., Stoffel, R., Wu, Z., Wan, N., Dempsey, W., Kumar, S., Ertin, E., Murphy, S.A., Rehg, J.M., & Wetter, D.W. (2021). The Mobile Assistance for Regulating Smoking (MARS) micro-randomized trial design protocol. *Contemporary Clinical Trials*, 110, 106513.
47. **Nahum-Shani, I.**, Rabbi, M.,\* Yap, J., Philyaw-Kotov, M.L., Klasnja, P., Bonar, E.E., Cunningham, R.M., Murphy, S.A., & Walton, M.A., (2021). Translating strategies for promoting engagement in mobile health: A proof-of-concept micro-randomized trial. *Health Psychology*, 40(12), 974–987.
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\*\* Senior author

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2. **Nahum-Shani, I.**, Wetter, D.W., & Murphy, S.A. (2022). Adapting just-in-time interventions to vulnerability and receptivity: Conceptual and methodological considerations. In N. Jacobson, L. Marsch & T. Kowatsch (Eds.), *Digital Therapeutics for Mental Health and Addiction: State of the Science and Vision for the Future*. Elsevier
3. Carpenter, S.M.,\* Patrick, M., Morrell, N., **Nahum-Shani, I.\*\*** (2020). Leveraging self-relevance to engage young adults in self-monitoring of alcohol use. *Open Science Framework: Study Protocol*.
4. El-Toukhy, S. & **Nahum-Shani, I.\*\*** (2019). The JITAI Code: A primer on just-in-time-adaptive interventions. *Wiley StatsRef: Statistics Reference Online*.
5. Hall, K.L.,\* **Nahum-Shani, I.**, August, G., Patrick, M.E., Murphy, S.A., & Almirall, D. (2019). Adaptive intervention designs in substance use prevention. In Sloboda Z., Petras H., Robertson E., Hingson R. (Eds.) *Prevention of Substance Use. Advances in Prevention Science*. Springer, Cham (pp. 263-280).
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9. Sarker, H.,\* Hovsepian, K.,\* Chatterjee, S., **Nahum-Shani, I.**, Murphy, S.A., Spring, B., ... & Kumar, S. (2017). From markers to interventions: The case of just-in-time stress intervention. In Reh, J., Murphy, S.A., Kumar, S. (Eds.) *Mobile Health*. Springer, Cham (pp. 411-433).
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12. Qian, M.,\* **Nahum-Shani, I.**, Murphy, S. (2013). Dynamic treatment regimes. In X. Tu and W. Tang (Eds.). *Modern Clinical Trial Analysis*. Springer Science.



## PROFESSIONAL CONFERENCES/PRESENTATIONS

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\* Student/Mentored research

1. Xie, Q.,\* Dyer, R. L., Lam, S., Frye, C., Dahl, C. J., Quanbeck, A., **Nahum-Shani I.**, Davidson, R. J., & Goldberg, S. B. (May, 2024). Understanding the Implementation of Informal Meditation Practice in a Smartphone-Based Intervention: A Qualitative Analysis [Oral Presentation]. In Q. Xie (Chair), Advancing Scalability and Accessibility of Meditation-Based Interventions Through Implementation Science. Symposium conducted at the 2024 Association for Psychological Science Annual Convention, San Francisco, CA.
2. Yu, Q.,\* Yap, J., Potter, L., Jones, D., Lam, C., Wetter, D., & **Nahum-Shani, I.** (March, 2024). Engage With What? Strategies to Promote Mobile App Engagement and Digital Engagement with Intervention in Tobacco Cessation. Poster presentation, the Society of Behavioral Medicine Annual Meeting, Philadelphia, PA.
3. Dziak, J., & **Nahum-Shani, I.** (March, 2024). Evidence-Based Selection of Adaptive Intervention Tailoring Rules: Decision Times, Cutoffs, and Hybrid Experimental Designs. Poster presentation, the Society of Behavioral Medicine Annual Meeting, Philadelphia, PA.
4. **Nahum-Shani, I.**, Almirall, D., & Guastaferro, K. (March, 2024). Adaptive Interventions: Innovations in Intervention and Experimental Design. Pre-Conference Workshop, the Society of Behavioral Medicine Annual Meeting, Philadelphia, PA.
5. Lansing, A. H.,\* **Nahum-Shani, I.**, Murphy, S., Shani, G., & Stanger, C. (March, 2024). Co-Designing a Parent-Teen Dyadic Digital Intervention to Prevent Early Escalation of Substance Use. Invited presentation for the Joint Meeting on Prevention, Treatment, and Recovery Meeting, Baltimore, MD.
6. Florimbio, A. R.,\* **Nahum-Shani, I.**, Wheeler, T., Campbell, M., Rodriguez, C., Bonar, E. E., Walton, M. A., Murphy, S., & Coughlin, L. N. (March, 2024). Content Development for a Mobile Health Intervention for Emerging Adults with Regular Cannabis Use. Poster presentation, the Society of Behavioral Medicine Annual Meeting, Philadelphia, PA.
7. Phillips, S.M., Solk, P., Freeman, H., Starikovisky, J., Carden, L.B., Agnew, M., Schmidt, C., Reading, J.M., Wang, S., Hasanaj, K., Tevaarwerk, A.J., Spring, B., Barber, E., Sesto, M.E., Gradishar, W., Hodgson, V., Muller, L., Naxi, S., Spencer, R., Gangnon, R., **Nahum-Shani, I.**, Cadmus-Bertram, L., & Pickett, K. (March, 2024). A 6-month, Multi-site Electronic Health Record-Integrated Physical Activity Intervention (MyActivity) Significantly Increases Physical Activity in Breast & Endometrial Cancer Survivors. Accepted for oral presentation. Annual Meeting of the American Society of Preventive Oncology, Chicago, IL.
8. Carpenter, S.M.,\* Yap, J., Patrick, M.E., Morrell, N., Dziak, J.J., Almirall, D., Yoon, C., & **Nahum-Shani, I.\*\*** (April, 2023). Self-Relevant Appeals to Engage in Self-Monitoring of Alcohol Use: A Micro-Randomized Trial. Society of Behavioral Medicine Annual Meeting, Phoenix, AZ.
9. Sobolev, M.,\* Anand, A.,\* Dziak, J.J., Potter, N.L., Lam, Y.C., Wetter, W.D., & **Nahum-Shani, I.\*\*** (April, 2023). Time-varying model of engagement with digital self reporting: Evidence from smoking cessation longitudinal studies. Society of Behavioral Medicine Annual Meeting, Phoenix, AZ.

10. **Nahum-Shani, I.**, Dziak, J.J., Venera, H.,\* Pfammatte, A.F., Spring, B., & Dempsey, W. (April, 2023). Design of Experiments with Sequential Randomizations on Multiple Timescales: The Hybrid Experimental Design. Society of Behavioral Medicine Annual Meeting, Phoenix, AZ.
11. Spring, B., Nahum-Shani, I., Battalia, S., Conroy, D., Daly, E., Dempsey, D., Hnat, T., Hoffman, S., Menictas, M., Murphy, S.A., Qian, T., Samiei, S.A., Yap, J., & Kumar, S. (April, 2023). When Should we Prompt Stress Management for Smokers Attempting to Quit? Results of the Sense2Stop Micro-Randomized Trial. Society of Behavioral Medicine Annual Meeting, Phoenix, AZ.
12. **Nahum-Shani, I.**, Carpenter, S.M.,\* Yap, J., Patrick, M.E., Morrell, N., Dziak, J.J., Almirall, D., Yoon, C. (September, 2022). Self-Relevant Appeals to Engage in Self-Monitoring of Alcohol Use: A Micro-Randomized Trial. International Society for Research on Internet Interventions Annual Meeting, Pittsburgh, PA.
13. **Nahum-Shani, I.**, Dziak, J.J., Walton, M.A., Dempsey, W. (September, 2022). Hybrid experimental designs for intervention development: What, why and how. International Society for Research on Internet Interventions Annual Meeting, Pittsburgh, PA.
14. Carpenter, S.M.,\* (Chair), **Nahum-Shani, I.**, (Organizer), Stanger, C., Walton, M.A, Naar, S., & Almirall, D. (April, 2022). SMART studies for developing adaptive interventions in substance use and HIV [Symposium]. Society of Behavioral Medicine Annual Meeting, Baltimore, MD.
15. Abbott, M.R.,\* Dempsey, W., Taylor, J.M.G., **Nahum-Shani I.** (March, 2022). Modeling cigarette use with mobile health data from a study on smoking cessation. Michigan Student Symposium for Interdisciplinary Statistical Sciences. Ann Arbor, MI.
16. Abbott, M.R.,\* Dempsey, W., **Nahum-Shani, I.**, Taylor, J.M.G. (March, 2022). A joint longitudinal-survival model for mobile health data. Eastern North American Region (ENAR) of the International Biometric Society (Virtual).
17. **Nahum-Shani, I.**, Shaw, S.,\* Carpenter, S.M.,\* Murphy, S.A., & Yoon. C. (May, 2021). Engagement in a digital world. Association for Psychological Science Annual Meeting. Presented by Carpenter, S.M. (Virtual).
18. **Nahum-Shani, I.** (expert discussant). (December 2020). Investigating the promise of mHealth for complementary and integrative health approaches. NIH/NCCIH academic consortium grand rounds session at the International Congress on Integrative Medicine and Health. With Lanay Mudd, Pamela Jeter, Jennifer Huberty, Judith Gordon, and Christopher Cox (Virtual).
19. Spring, B., Pfammatter, A., Scanlan, L., McFadden, H., Marchese, S., Siddique, J., Hedeker, D., & **Nahum-Shani, I.** (November, 2020). How low can we go? Optimal first line and augmentation treatment tactics for obesity stepped care. Poster presented at the Obesity Society Annual Meeting; Obesity, 28, page 106.
20. Spring, B., Pfammatter, A., Marchese, S., Martindale, L., Battalio, M.F.S., Stump, T. Hedeker, D., & **Nahum-Shani, I.** (November, 2020). Do digital interventions overcome socio-demographic differences in weight loss initiation? Presentation at the Obesity Society Annual Meeting; Obesity, 28, page 15.
21. **Nahum-Shani, I.**, Yap, J., & Walton, M.A. (September, 2020). Developing workflows and templates for reproducing results from mobile health (mHealth) trials. Michigan Institute for Data Science Reproducibility Day. University of Michigan (online).

22. Coughlin, L.N.,\* **Nahum-Shani, I.**, Bonar, E.E., Philyaw-Kotov, M.L., Rabbi, M., Klasnja, P., Cunningham, R.M., Murphy, S.A. & Walton, M.A. (July, 2020). Toward a just-in-time adaptive intervention to reduce adolescent and young adult alcohol use: Testing approaches for identifying when to intervene. Society for Prevention Research (online).  
<https://www.preventionresearch.org/2020-annual-meeting/>
23. Lustria, M.L.A.,\* Naar, S., Carpenter, S.M.,\* & **Nahum-Shani, I.** (April, 2020). Design and development of a gamified mobile application to improve adherence to dietary self-monitoring. Paper presented at the Kentucky Conference on Health Communication (Virtual).
24. Nagesh, S.,\* Moreno, A.,\* Carpenter, S.M.,\* Yap, J., Chatterjee, S., Lizotte, S.L., Neng, W., Kumar, S., Lam, C., Wetter, D., **Nahum-Shani, I.**, & Rehg, J. (December, 2020). Deep forecasting of EMA compliance: Distinguishing non-compliance from non-response. Neural Information Processing Systems (Online).
25. Carpenter, S.M.,\* Yap, J., Lam, C., Wetter, D., & **Nahum-Shani, I.** (February, 2020). Emotions impact engagement among smokers during a quit attempt. Poster at the Meeting of the Society for Personality and Social Psychology Intervention Science Preconference, New Orleans, LA.
26. Coughlin, L.N.,\* Bonar, E.E., Philyaw-Kotov, M.L., **Nahum-Shani, I.**, Rabbi, M., Klasnja, P., ... Walton, M.A. (June, 2019). Predicting alcohol and marijuana use in adolescents and emerging adults with the Substance Abuse Research Assistant (SARA) Mobile App. In *Alcoholism-Clinical and Experimental Research* (43, pp. 234A-234A).
27. Shaw, S.D.,\* Yoon, C. Wagner, B.,\* & **Nahum-Shani, I.** (March, 2019). Engagement in a digital world: An organizing framework for engagement strategies. Society for consumer psychology annual conference. Savannah, GA.
28. Walton, A.,\* Collins, L., Crosby, L., Klasnja, P., **Nahum-Shani, I.**, Rabbi, M., Walton, M., Murphy, S. (October, 2018). The micro-randomized trial for developing mobile health interventions. Poster presentation at the Fifth Annual Mobile Data to Knowledge (MD2K) Meeting. Memphis, TN.
29. Walton, A.,\* Collins, L., Crosby, L., Klasnja, P., **Nahum-Shani, I.**, Rabbi, M., Walton, M.A. & Murphy, S.A (October, 2018). The micro-randomized trial for developing mobile health interventions. Seminar at Penn State University Methodology Center, College of Health and Human Development. State College, PA.
30. Walton, A.,\* Collins, L., Crosby, L., Klasnja, P., **Nahum-Shani, I.**, Rabbi, M., Walton, M.A. & Murphy, S.A (November, 2018). The micro-randomized trial for developing mobile health interventions. Poster presentation at the Technology in Psychiatry Summit. Boston, MA.
31. Czyz, E.C.,\* Fernandez K.C., **Nahum-Shani, I.**, & King, C.A. (April, 2018). Feasibility and acceptability of ecological momentary assessment (EMA) with suicidal adolescents following psychiatric hospitalization. Poster presentation at the 50th American Association of Suicidology Annual Conference. Phoenix, AZ.
32. Tureen, T.,\* Yap, J., Almirall, D., & **Nahum-Shani, I.** (April, 2018). R implementation for the analysis of zero-inflated count data from SMARTs: With application to substance use research. Michigan Student Symposium for Interdisciplinary Statistical Sciences (MISSISS). University of Michigan, Ann Arbor, MI.

33. Seewald, N.J.,\* **Nahum-Shani, I.**, McKay, J.R., & Almirall, D. (April, 2018). Sample size considerations for the analysis of continuous repeated-measures outcomes in sequential multiple-assignment randomized trials." Michigan Student Symposium for Interdisciplinary Statistical Sciences. Ann Arbor, MI.
34. Wagner, B.,\* Shaw, S.D.,\* Liu, E., Harrington, C., Naar, S., Abowd, G., Yoon, C., Kumar, S., Murphy, S.A., & **Nahum-Shani, I.** (April, 2018). ewrapper: Operationalizing engagement strategies in mHealth. Poster session presented at the Michigan Student Symposium for Interdisciplinary Statistical Sciences, Ann Arbor, MI.
35. Bonar, E.E., Rabbi, M.,\* Murphy, S.A., **Nahum-Shani, I.**, Cunningham, R.M., Philyaw-Kotov, M.L., & Walton, M.A. (2018). Feasibility and acceptability of using a mobile phone app to assess substance use among adolescents and emerging adults [Abstract]. Alcoholism: Clinical and Experimental Research.
36. Czyz, E.C.,\* King, C.A., & **Nahum-Shani, I.** (November, 2017). Examining feasibility and acceptability of ecological momentary assessment among adolescents at elevated suicide risk. Presentation at IASR/AFSP International Summit on Suicide Research. Henderson, NV.
37. Philyaw-Kotov, M.L.,\* Rabbi, M., Murphy, S.A., Klasnja, P., Tewari, A., **Nahum-Shani, I.** & Bonar, E.E. (September, 2017). Feasibility and acceptability of using a mobile phone app to assess substance use among adolescents and emerging adults. SAVIR Conference: Innovations in Injury Prevention Science; Injury Prevention 2017; 23(Suppl 1):A1–A62. Ann Arbor, MI.
38. Czyz, E.C.,\* King, C.A., & **Nahum-Shani, I.** (September, 2017). Examining feasibility and acceptability of ecological momentary assessment among adolescents at elevated suicide risk. Presentation at the Society for Advancement of Violence and Injury Research Conference. Ann Arbor, MI.
39. **Nahum-Shani, I.**, Yap J., Almirall D., Freiheit, E., McKay, J. R., Lynch, K. G., & Dziak, J.J. (August, 2017). Comparing adaptive interventions using longitudinal data methods. Paper Session: New Directions in General Psychology. The 125th Annual Convention of the American Psychological Association. Washington, D.C.
40. **Nahum-Shani, I.** (June, 2017). Common misconceptions regarding adaptive interventions and SMART studies. Workshop on development of adaptive treatment strategies in the management of drug dependence: Lessons learned from clinical trials currently in the field. College on Problems of Drug Dependence (CPDD) meeting. Montreal, Canada.
41. **Nahum-Shani, I.**, Spring, B., & Murphy, S.A. (March, 2017). Stress-management just-in-time adaptive interventions: Opportunities and challenges. Symposium on Harnessing mHealth Technology to Advance Intervention Research on Stress, Addiction, and Mental Health Disorders. The 75th Annual Scientific Meeting of the American Psychosomatic Society, Sevilla, Spain.
42. Seewald, J.N.,\* **Nahum-Shani, I.**, McKay, J., & Almirall, D. (March, 2017). Sample size considerations for the analysis of continuous repeated-measures outcomes in sequential multiple-assignment randomized trials. Michigan Student Symposium for Interdisciplinary Statistical Sciences (MISSISS) (Best Statistics Graduate Student Poster). University of Michigan, Ann Arbor, MI.

43. Wagner, B.,\* Rabbi, M.,\* et al. (March, 2017). Engagement interventions in mobile health. Michigan Student Symposium for Interdisciplinary Statistical Sciences (MISSISS). University of Michigan, Ann Arbor, MI.
44. **Nahum-Shani, I.**, & Bamberger, P.A. (August, 2015). A lingering ambiance: Pre-retirement work context and the impact of retirement on drinking behavior (best paper). Presented at the Academy of Management Meeting, Vancouver, Canada.
45. Dworak, P., **Nahum-Shani, I.**, & Chang, W. (May, 2015). Evaluating sequence of responsive design interventions on the Health and Retirement Study using the Sequential Multiple Assignment Randomized Trial (SMART). Paper presented at the American Association for Public Opinion Research; Hollywood, Florida.
46. Spring, B., Pellegrini, C.A., & **Nahum-Shani, I.** (November, 2014). How long does it take to identify non-responders to weight loss treatment. The Obesity Society's Annual Meeting; Boston, Massachusetts.
47. **Nahum-Shani, I.**, Bamberger, P.A., Bacharach, S.B., & Doveh, E. (May, 2013). Explaining the varying effects of retirement on Alcohol Consumption: The Role of unit-level drinking norms and stress climate. Presented as part of the symposium on work transitions and mental health throughout the work life course. Work, Stress, and Health Meeting: Protecting and Promoting Total Worker Health; Los Angeles, CA.
48. **Nahum-Shani, I.**, Henderson, M.M., Lim, S., & Vinokur, A.D. (August, 2013). Supervisor support: Does it buffer or exacerbate the adverse effect of supervisor undermining. Paper presented at the Academy of Management Annual Meeting; Orlando, FL.
49. **Nahum-Shani, I.**, & Bamberger, P.A., Bacharach, S.B., & Doveh, E. (August, 2012). Explaining the varying effects of retirement on alcohol consumption: The Role of unit-level drinking norms and stress climate. Paper presented at the Academy of Management Annual Meeting; Boston, MA.
50. Dziak, J., **Nahum-Shani, I.**, & Collins, L. (May, 2012). Multilevel factorial experiments: Power and conceptual considerations. Paper presented at the Society for Prevention Research 20th Annual Meeting; Washington, DC.
51. **Nahum-Shani, I.** (August, 2011). Adaptive interventions utilizing mobile health technologies. Whitepaper accepted to the mHealth Evidence Workshop, sponsored by Robert Wood Johnson Foundation, the National Institutes of Health; Bethesda, MD.
52. **Nahum-Shani, I.**, & Somech, A. (August, 2010). Leadership, OCB and individual differences: idiocentrism and allocentrism as moderators. Paper presented at the Academy of Management Annual Meeting; Montreal, Canada.
53. **Nahum-Shani, I.**, Qian, M., Pelham, W.E., Gnagy, B., Fabiano, G., Waxmonsky, J., Yu, J., & Murphy, S.A. (May, 2010). Q-Learning: A Data analysis method for constructing adaptive interventions. Paper presented at the Society for Prevention Research Annual Meeting; Denver, CO.
54. **Nahum-Shani, I.**, & Bamberger, P.A. (August, 2009). Work hours, retirement and supportive relations among older adults. Paper presented at the Academy of Management Annual Meeting; Chicago, IL.
55. **Nahum-Shani, I.** (August, 2008). Dissertation Award winners session: Invited talk at the HR Doctoral Consortium, Academy of Management Annual Meeting; Anaheim, CA.

56. **Nahum-Shani, I.** (August, 2008). Hours worked and their positioning during the day: Effects on support availability from work, family and non-work friends. Invited talk, HR Dissertation award winners' paper session. Academy of Management Annual Meeting; Anaheim, CA.
57. **Nahum-Shani, I., & Bamberger, P.A.** (August, 2008). Temporal workplace demands and the buffering effect of social support: The Conditioning role of perceived reciprocity patterns. Paper presented at the Academy of Management Annual Meeting; Anaheim, CA.
58. Bacharach, S.B., Bamberger, P.A., & **Nahum-Shani, I.** (August, 2007). Hours, shifts and supportive relations: Resource mobilization and the link between temporal workplace demands and social support. Paper presented at the Academy of Management Annual Meeting; Philadelphia, PA.
59. **Nahum-Shani, I.,** Doveh, E., Bamberger, P.A., & Bacharach, S.B. (January, 2007). Moderated mediation in multilevel models: The case of involvement in traumatic events. Poster presentation at the 4th conference of the EMR - International Biometric Society; Israel.

## INVITED PRESENTATIONS/TRAINING SESSIONS

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1. On Different Kinds of Adaptive Interventions: And Experimental Designs to Optimize Them. Center for Advancement and Dissemination of Intervention Optimization. School of Global Public Health, New York University; April 2024.
2. On Different Kinds of Adaptive Interventions: And Experimental Designs to Optimize Them. World Bank: Poverty and Equity Global Practice; April 2024.
3. Novel Methods for Optimizing the Tailoring of Cancer Control Interventions. National Cancer Institute—Shady Grove Campus. Rockville, MD; February 2024.
4. Optimizing the Integration Between Digital and Human-Delivered Components: The Hybrid Experimental Design. Stanford Mental Health Technology and Innovation Hub, Stanford University; January, 2024.
5. Optimizing an Adaptive Digital Oral Health Intervention for Promoting Oral Self-Care Behaviors. Proctor and Gamble Research Center; January 2024.
6. Optimizing the Integration Between Digital and Human-Delivered Components: The Hybrid Experimental Design. InCHIP Lecture Series, University of Connecticut; January 2024.
7. Optimizing the Integration Between Digital and Human-Delivered Components: The Hybrid Experimental Design. Feinberg School of Medicine, Northwestern University; January 2024.
8. Optimizing the Integration Between Digital and Human-Delivered Components: The Hybrid Experimental Design. Seminar at the College of Medicine, Florida State University; December 2023.
9. Optimizing the Integration Between Digital and Human-Delivered Components: The Hybrid Experimental Design. Mini-Conference on Enhancing Causal Inference in Innovative Trial Designs. Department of Psychology, University of South Carolina; December 2024.
10. Optimizing the Integration Between Digital and Human-Delivered Components: The Hybrid Experimental Design. Ground Rounds Presentation. Department of Psychiatry, Stanford University; December 2024.
11. Addressing Barriers to Mobile Health Research. Mobile Technologies in Health Research Symposium. University of Michigan. Ann Arbor, MI; November 2023.

12. Hybrid Experimental Designs for Optimizing Interventions at Varying Timescales. International Society for the Measurement of Physical Behavior; October 2023.
13. Optimizing the Adaptation and Personalization of SUD Services: Innovations in Intervention and Experimental Designs. Pre-Conference Workshop. Addiction Health Services Research (AHSR) Conference. New York, NY; October 2023.
14. Optimizing the Integration Between Digital and Human-Delivered Components: The Hybrid Experimental Design. R3EDI: Rigorous, Rapid and Relevant Evidence Adaptation and Implementation to Ending the HIV Epidemic Webinar Series. School of Public Health, Yale University; September 2023.
15. Leveraging Digital Technology to Improve Employee Health and Well-Being: Innovations in Intervention Design and Experimentation. Disney Data & Analytics Conference (DDCA). Orlando, FL; August 2023.
16. Optimizing Adaptive Interventions. 23rd Annual Summer Institute on Randomized Behavioral Clinical Trials. Potomac, MD; July 2023.
17. Optimizing the Integration Between Digital and Human-Delivered Components: The Hybrid Experimental Design (Key Note). Mobile Interventions Workshop. Bad Homburg, Germany; July 2023.
18. Optimizing the Integration Between Digital and Human-Delivered Components: Novel Experimental Approaches. The Orbit Training Institute. Florida State University College of Medicine; June 2023.
19. Innovations in Methods for Adapting and Personalizing Interventions for Cancer Control. Educational Session (Chair and Presenter): The Annual Meeting of the American Association for Cancer Research (AACR), Orlando, FL; April 2023.
20. On SMARTs and MRTs. In 'Who Moved My Cheese?': Adapting to Adaptive and Contemporary Clinical Trial Designs. Training Session: Training Researchers to Advance Inclusion Networks (TRAIN); The Strategically Focused Research Network (SFRN) on the Science of Diversity in Clinical Trials; April 2023.
21. Multimodal and Multilevel Adaptive Interventions: Innovations in Intervention and Experimental Design (with Daniel Almirall). NIH/NIA Roybal Centers for Translational Research Annual Meeting. Bethesda, MD; March 2023.
22. Hybrid Experimental Designs for Intervention Development. NIH/NHLBI Office of Biostatistics Research; February 2023.
23. Hybrid Experimental Designs for Intervention Development. Department of Psychology, University of Texas-Austin. Austin, TX; February 2023.
24. Novel Use of mHealth Data to Identify States of Vulnerability & Receptivity to JITAIs (Presented by Cho Lam). NIH Behavioral and Social Science Research Coordinating Committee (BSSR-CC) Meeting; February 2023.
25. MAPS Center: Methodologies for Adapting and Personalizing Prevention, Treatment, and Recovery Services for SUD and HIV. NIDA Addiction Services Research Centers Meeting: Providing Resources to the Field; January 2023.
26. Multimodal and Multilevel Adaptive Interventions: Innovations in Intervention and Experimental Design (with Daniel Almirall). The Center for Technology and Behavioral Health. Geisel School of Medicine, Dartmouth College; December 2022.

27. Hybrid Experimental Designs for Intervention Development. The George H. W. Bush Foundation for U.S.-China Relations; November 2022.
28. On SMARTs and MRTs. In: Who Moved my Cheese? Adapting to Adaptive and Contemporary Clinical Trial Designs. American Heart Association Research Leaders Academy Meeting. San Diego, CA; September 2022.
29. MCMTTC: A pragmatic framework for selecting an experimental design to inform the development of digital interventions. mHealth Training Institute, University of California, Los Angeles; July 2021 (Virtual).
30. Mobile Intervention Design to Improve Health Outcomes (Discussant). NIH Digital Health Intervention workshop. July 2022 (Virtual).
31. Experimental Designs for Constructing Behavioral Interventions. NIH/NIMH Child Intervention, Prevention, and Services (CHIPS) Research Training Institute, University of California, Los Angeles; May 2022 (Virtual).
32. Introduction to the Data-Science for Dynamic Decision-Making Center. Injury Prevention Center Internal Advisory Committee Meeting. University of Michigan. March 2022 (Virtual).
33. Multimodal Adaptive Interventions (MADIs). Adaptive Interventions Workshop: Methods for Adaptive and Personalizing Prevention, Treatment, and Recovery Services for SUD. Addiction Health Services Research Conference. October 2021 (Virtual).
34. Multi-Component Interventions: An Organizing Framework for Selecting an Experimental Design. NIH Workshop on Methodological Approaches for Whole Person Research. September 2021 (Virtual).
35. Experimental Designs for Constructing mHealth Interventions. mHealth Training Institute, University of California, Los Angeles; July 2021 (Virtual).
36. Introduction to Just-In-Time Adaptive interventions. PhD-level intervention class. Silver School of Social Work. NYU. May 2021 (Virtual).
37. Mobile Assistance for Regulating Smoking (MARS). mPower: NIH and NSF staff meeting on mobile health. March 2021 (Virtual).
38. Panel on Measurement Advances for Mechanisms of Behavior Change (co-chair). Ten Years of the Science of Behavior Change Common Fund Program Celebrating Accomplishments and Looking to the Future. NIH Science of Behavior Change. February 2021 (Virtual).
39. Just-In-Time Adaptive Interventions in Cancer Control. NCI interdisciplinary T32 training program in cancer care delivery research at the University of Michigan. February 2021 (Virtual).
40. Experimental Designs for Developing Multi-Component Interventions: On Factorial Designs, SMARTs and MRTs. Michigan Integrated Center for Health Analytics and Medical Prediction. December 2020 (Virtual).
41. Experimental Designs for Developing Multi Component Interventions: On Factorial Designs, SMARTs and MRTs. Department of Psychology, Princeton; November 2020 (Virtual).
42. MARS: Mobile Assistance for Regulating Smoking. NIH/OBSSR Intensive Longitudinal Health Behavior Network (ILHBN) Annual Meeting; November 2020 (Virtual).
43. Insights from the Engagement Working Group. (with Donna Spruijt-Metz). NIH/OBSSR Intensive Longitudinal Health Behavior Network (ILHBN) Annual Meeting; November 2020 (Virtual).



44. Experimental Designs for Developing Technology-Based Interventions: On Factorial Designs, SMARTs and MRTs. International Society for Traumatic Stress Studies. November 2020 (Virtual).
45. Translating Theoretically-Grounded Engagement Strategies into mHealth Setting: The Substance Abuse Research Assistant (SARA) Study. Maintaining Engagement with mHealth Technology: A Transdisciplinary Virtual Seminar; University of Southern California. October 2020 (Virtual).
46. Experimental Designs for Optimizing mHealth Interventions: On Factorial Designs, SMARTs and MRTs. Department of Psychiatry and Behavioral Sciences. University of Washington. Seattle, WA; December 2019.
47. Engagement in Intensive Longitudinal Data Collection. Panel on Intensive Longitudinal Assessment of Health and Behavior. Technology in Psychiatry Summit. Harvard University. Boston, MA; October 2019.
48. Engagement in Intensive Longitudinal Data Collection. NIH/OBSSR Intensive Longitudinal Health Behavior Network Annual Meeting. Harvard University. Boston, MA; October 2019.
49. Mentoring Graduate Students: Tips, Best Practices, and Life-Changing Stories from the Experts. Professional Development Workshop. Academy of Management Annual Meeting. Boston, MA; August 2019.
50. Experimental Designs for Constructing mHealth Interventions. mHealth Training Institute, University of California, Los Angeles; July 2019.
51. Just-In-Time Adaptive Interventions: Scientific Motivation and Key Components. Invited Symposia on mHealth in Action. Society for Prevention Research Annual Meeting. San Francisco, CA; May 2019.
52. Engagement and Health Behavior Change: The Role of Adaptive and Just-In-Time Adaptive Interventions. Clinical Science Forum: New Developments in the Clinical Science of Behavior Change. Association for Psychological Science Annual Convention. Washington, DC; May 2019.
53. Engagement in Mobile Health Studies (with Donna Spruijt-Metz and David Wetter). The Intensive Longitudinal Health Behavior Network (ILHBN). Online; February 2019.
54. From Adaptive to Just-In-Time Adaptive Interventions in Mobile Health. Department of Psychology, University of Michigan; February 2019.
55. From Adaptive to Just-In-Time Adaptive Interventions in Mobile Health. Department of Psychology, University of Zurich; December 2018.
56. Novel Use of mHealth Data to Identify States of Vulnerability and Opportunity to JITAI. NIH Intensive Longitudinal Health Behaviors Network Annual Meeting. Bethesda, MD; October 2018.
57. Experimental Designs for Building mHealth Interventions: Factorial Designs, SMARTs and MRTs. mHealth Training Institute, University of California, Los Angeles; August 2018.
58. Addressing Human Variability: Adaptive and Just-In-Time Adaptive Interventions. The Human Variability Project Workshop. Army Research Lab. Baltimore, MD; July 2018.
59. Micro-Randomized Trial to Investigate the Effects of Just-In-Time Prompts and Message Framing. The Micro-Randomized Trial Design for developing adaptive mobile health; invited session at the Society for Clinical Trials meeting. Portland, OR; May 2018.

60. From Adaptive to Just-In-Time Adaptive Interventions in Mobile Health. Huntsman Cancer Institute, University of Utah. Salt Lake City, Utah; May 2018.
61. Lightning Rounds on Just-In-Time Adaptive Interventions. Society for Behavioral Medicine Annual Meeting. New Orleans, LA; April 2018.
62. From Adaptive Interventions to Just-in-Time Adaptive Interventions (Dempsey [Speaker] & Nahum-Shani). Pre-Conference workshop on “The Nuts and Bolts of Behavioral Intervention Development” at the Society for Behavioral Medicine Annual Meeting, New Orleans, LA; April 2018.
63. Novel Experimental Approaches to Designing Effective Multi-Component Interventions. Invited Pre-Conference workshop at the Society for Behavioral Medicine Annual Meeting; New Orleans, LA; April 2018.
64. Using Digital Data to Promote Behavior Change. Symposium on Consumer Goods as Agents of Sustainable Health. Proctor and Gamble Mason Research Center. Cincinnati, OH; March 2018.
65. Experimental Designs for Multi-Components Behavioral Intervention Development. Implementation Research Group; The Center for Evaluation and Implementation Resources. US Department of Veterans Affairs; Online Session; January 2018.
66. From Adaptive to Just-In-Time Adaptive Interventions in Mobile Health. Michigan Program in Survey Methodology (MPSM) Sponsors Briefing. University of Michigan. Ann Arbor, MI; October 2017.
67. Novel Longitudinal Methods for SMART Studies of Drug Use and HIV. The Methodology Center Annual Retreat. Penn State University. State College, PA; October 2017.
68. From Adaptive to Just-In-Time Adaptive Interventions in Mobile Health: Conceptual and Methodological Considerations. Department of Psychiatry and Behavioral Sciences, University of Washington. Seattle, WA; September, 2017.
69. Experimental Designs for Building mHealth Interventions: Factorial Designs, SMARTs and MRTs. mHealth Training Institute, University of California, Los Angeles; August 2017.
70. Experimental Designs for Constructing Multi-Component Behavioral Interventions. NIA/NIH Workshop on Innovating the Next Generation of Dementia and Alzheimer’s Disease Care Interventions: Addressing the needs of caregivers, care providers, and persons living with dementia. National Institutes of Health, Rockville, MD; July 2017.
71. From Adaptive to Just-In-Time Adaptive Interventions in Mobile Health: Conceptual and Methodological Considerations. Department of Biomedical Data Science, Geisel School of Medicine, Dartmouth College. Lebanon, NH; July 2017.
72. Introduction to Adaptive Interventions and SMART studies. Novel Experimental Approaches to Designing Effective Multi-component Interventions. Invited Workshop; The Chicago Chapter of the American Statistical Association (ASA). Northwestern University, Chicago, IL; May, 2017.
73. From Adaptive to Just-In-Time Adaptive Interventions in Mobile Health: Conceptual and Methodological Considerations. Center for Drug Use and HIV Research (CDUHR) mHealth Mini Conference. NYU, New York, NY; April 2017.
74. From Adaptive to Just-In-Time Adaptive Interventions in Mobile Health. Department of Psychiatry & Neurobehavioral Sciences, School of Medicine, University of Virginia, Charlottesville, VA; December 2016.

75. Introduction to Adaptive Interventions. IES Principal Investigator's Conference. Washington, DC; December 2016.
76. From Adaptive to Just-In-Time Adaptive Interventions. Institute for Translational Research in Children's Mental Health 2nd Annual Symposium: Building a Science of Personalized Intervention for Children's Mental Health. University of Minnesota, Minneapolis, MN; October 2016.
77. Experimental Designs and Data Analytic Methods for Building mHealth Interventions. mHealth Training Institute, University of California, Los Angeles; August 2016.
78. Experimental Designs for Building mHealth Interventions. NIH Global mHealth Research Training Institute. Bethesda, MD; June 2016.
79. Just in Time Adaptive Interventions: Scientific Motivation and Key Components. Invited talk at the Cross-Cutting Theme Program: Breaking Free—Intersecting Perspectives on the Science of Behavior Change. Association for Psychological Science Convention, Chicago, IL; May 2016.
80. From Adaptive to Just-In-Time Adaptive Interventions. Workshop on Methodological Approaches to Designing Adaptive Interventions in Mobile Health; Association for Psychological Science Convention, Chicago, IL; May 2016.
81. Building Just-In-Time Adaptive Interventions in Mobile Health: The Role of Micro-Randomized Trials (Organizer and Speaker). Pre-Conference workshop at the Society for Behavioral Medicine Annual Meeting, Washington, DC; March 2016.
82. From Adaptive Interventions to Just-in-Time Adaptive Interventions (Dempsey [Speaker] & Nahum-Shani). Pre-Conference workshop on 'The Nuts and Bolts of Behavioral Intervention Development' at the Society for Behavioral Medicine Annual Meeting, Washington, DC; March 2016.
83. Adaptive Interventions for Health Behavior Change: What, Why and How? Center for Economic and Social Research, University of Southern California. Los Angeles, CA; Feb, 2016.
84. On Adaptive Interventions and SMARTs. School of Nursing Methodology Series Workshop, University of Michigan, Ann Arbor, MI; Feb 2016.
85. Adaptive Interventions for Health Behavior Change: What, Why and How? Department of Psychology, Rice University. Huston, TX; December 2015.
86. Adaptive Interventions in Educational Research. IES Principal Investigator's Conference. Washington, DC; December 2015.
87. Just In Time Adaptive Interventions for Promoting Mental Health Among College Students (White Paper). NSF Workshop on College Student Health. Chicago, IL; July 2015.
88. Introduction to Adaptive Intervention and Associated Methodologies. IES Technical Working Group Meeting on SMARTs in Education Research. Washington DC; July 2015.
89. Getting SMART: Experimental Design Methods for Developing Adaptive Interventions. Pre-conference workshop; annual Meeting of the Society for Prevention Research, Washington, DC, May 2015.
90. Getting SMART: Experimental Design and Analysis Methods for Developing Adaptive Interventions; 1-Day Workshop at the UCSF Division of Prevention Sciences & Department of Epidemiology & Biostatistics, University of California, San Francisco; May 2015.
91. mHealth Research Methodology. mHealth Training / NIH mHealth Summit 2014. Washington DC; December 2014.

92. On SMART and Factorial Designs: Application to mHealth Research. mHealth evidence wireless workshop; Wireless Health 2014. Bethesda, MD; October 2014.
93. On SMART and Factorial Designs: Application to mHealth Research. mHealth evidence NIH/OBSSR Panel. Bethesda, MD; October 2014.
94. Experimental Designs for Developing mHealth Interventions. NIH/OBSSR online mHealth training. July 2014.
95. Pre-Meeting Conference Workshop on the Design and Conduct of Sequential Multiple Assignment Randomized Trials. Society for Clinical Trials Meeting. Philadelphia, PA; May 2014.
96. From SMART to Just in Time Adaptive Interventions. NIH Workshop on Innovative Study Designs and Methods for Developing, Testing and Implementing Behavioral Interventions. Bethesda, MD, April 2014.
97. mHealth Research Methods and Design. Instructor in NIH/OBSSR brief mHealth training (online). Bethesda, MD, March 2013.
98. mHealth Research Methods and Design. Instructor in NIH/OBSSR mHealth training. Bethesda, MD, Dec 2013.
99. On MOST, SMART and Factorial Designs. Center for Technology and Behavioral Health, Department of Psychiatry, Geisel School of Medicine at Dartmouth, Dartmouth College, November 2013.
100. On MOST, SMART and Factorial Designs. The National Institute on Drug Abuse's Division of Clinical Neuroscience & Behavioral Research (DCNBR): Meeting on Overcoming Barriers and Making Adolescent Drug Abuse Treatment More Community, Bethesda, MD, June 2013.
101. Being SMART about Adapting Interventions: An Introduction to Adaptive Interventions and SMART designs; Pre-conference workshop on Tobacco Use Treatment Development: Challenges, Opportunities, & New Methods, Society for Research on Nicotine and Tobacco's 19th Annual Meeting, March 2013.
102. Designing Work-Based Brief Interventions for At-Risk Drinking: The SMART Way. Research project presented at the Stanford Prevention Research Center, Stanford University School of Medicine, Stanford, CA; February 2013.
103. Supervisor Support: Does it Buffer or Exacerbate the Adverse Effects of Supervisor Undermining? Seminar presented at the Department of Psychology, Virginia Tech; January, 2013.
104. Optimizing Technology-Based Interventions: The SMART Experimental Approach. Seminar presented at the Stanford Prevention Research Center, Stanford University School of Medicine, Stanford, CA; January 2013.
105. Q-learning: A Data Analysis Method for Developing Behavioral Interventions. Seminar presented at the Department of Psychology, University of North Carolina at Chapel Hill, Chapel Hill, NC; December 2012.
106. MHealth Research and Experimental Designs: Beyond Randomized Control Trials. Training session at the NIH/mHealth 2012 training workshop, Washington DC; November 2012.
107. Supervisor Support: Does it Buffer or Exacerbate the Adverse Effects of Supervisor Undermining? Paper presented at Ross School of Business, University of Michigan, Ann Arbor MI; November 2012.

108. Experimental Designs for Intervention Development. National Strategic Summit on creating a roadmap for physical activity, lifestyle and comparative effectiveness research. Arizona State University, Phoenix, AZ, October 2012.
109. Experimental Designs for Intervention Development. NIH SOBC Revisiting Pasteur's Quadrant: Use-Inspired Basic Research, Bethesda, MD, October 2012.
110. Supervisor Support: Does it Buffer or Exacerbate the Adverse Effect of Supervisor Undermining. Paper presented at the Department of Psychology, area of Personality & Social Context seminar, University of Michigan, April 2012.

## FORMAL TEACHING/WORKSHOPS

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| 2024 | <p><b><i>The Comprehensive Program for Adaptive Interventions Training in Education (CATIE)</i></b><br/>         Training institute at the Data Science for Dynamic Decision-Making Center (d3c)<br/>         University of Michigan, February 2024</p>  |
| 2023 | <p><b><i>Introduction to Adaptive Interventions and Just-In-Time Adaptive Interventions</i></b><br/>         Workshop at the College of Nursing<br/>         University of South Carolina, December 2023</p> <p><b><i>Adaptive Interventions for Substance Use and HIV: Advances in Intervention Delivery Frameworks and Experimental Designs</i></b><br/>         Workshop at the Center for AIDS Prevention Studies<br/>         University of California San Francisco, October 2023</p> <p><b><i>The Comprehensive Program for Adaptive Interventions Training in Education (CATIE)</i></b><br/>         Training institute at the Data Science for Dynamic Decision-Making Center (d3c)<br/>         University of Michigan, March 2023</p> |
| 2022 | <p><b><i>Introduction to Adaptive Interventions and SMARTs</i></b><br/>         Workshop to T32 trainees in cancer research and addiction,<br/>         at the University of Utah and the University of Michigan.<br/>         January 2022</p> <p><b><i>Optimizing Digital Interventions: The MOST Way</i></b><br/>         Pre-Conference Workshop<br/>         International Society for Research on Internet Interventions Annual Meeting<br/>         Pittsburgh, PA, September 2022</p>  |
| 2021 | <p><b><i>Getting SMART about Adaptive Interventions in Education</i></b><br/>         Training institute at the Data Science for Dynamic Decision-Making Center (d3c)<br/>         University of Michigan.<br/>         November 2021</p>  |
| 2019 | <p><b><i>Experimental Designs for Mobile Health (mHealth) Interventions</i></b><br/>         Workshop at the College of Nursing and Health Innovation</p>  |

Arizona State University, February 2019

***Introduction to Adaptive Interventions and SMARTs***

Workshop at the College of Nursing

University of South Carolina, November 2019

***Getting SMART about Adaptive Interventions in Education***

Training institute at the Data Science for Dynamic Decision-Making Lab (d3lab)

University of Michigan, March 2019

2018 ***Introduction to Adaptive and Just-In-Time Adaptive Interventions in Mobile Health: Conceptual and Methodological Considerations***

Workshop at the Department of Psychology

University of Zurich, December 2018

2014 ***Summer Institute on Innovative Methods***

Experimental Design and Analysis Methods for Developing Adaptive Interventions:  
Getting SMART

Funded by NIH/NIDA

University of Michigan, June 2014

2013 ***Quantitative Methodology Program Seminar***

Survey Research Center, Institute for Social Research

University of Michigan, 2013

***Methods for Just In Time Adaptive Interventions***

Workshop funded by SRC/ISR, NIH/NIDA, Mcubed

University of Michigan, August 2013

2011-2012 ***Advanced Regression Analysis***

The international summer workshop series in advanced research methods

Tel Aviv University, Israel

2008 ***Multivariate Analysis***

Faculty Supervisor: Prof. Ayala Cohen

Department of Industrial Engineering and Management

Technion, Israel Institute of Technology

2007 ***Statistics for Managers (MBA Program).***

Department of Industrial Engineering and Management

Technion, Israel Institute of Technology

2006 ***Leadership and Organizations***, Guest Instructor

School of Education, Haifa University, Israel

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## **SERVICE**

**Editorial Board:** - Academy of Management Discoveries (2015-Present)

- Guest Editor, *Frontiers in Digital Health*, Research Topic: Digital Technology for Tobacco Control (2021-2022)
- Advisory Board:**
- Center for Technology and Behavioral Health; Dartmouth (2015-present)
  - Northeast Node of the National Drug Abuse Treatment Clinical Trials Network (2015-present)
  - DSMB: Enhancing Engagement with Digital Mental Health (R01 MH125179; 2021)
  - Methodology advisor, NIH/FNIH initiative: Developing Evidence-Based Music Therapies for Brain Disorders of Aging (2021)
  - Organizer: NIH/NIA Workshop on Leveraging Technology-based Adaptive Interventions to Reduce the Risk for AD/ADRD
- Leadership:**
- Chair, Search Committee for a Research Professor (open rank), Survey Research Center (SRC), Institute for Social Research (2018)
  - Chair (elected), NIH/OBSSR Intensive Longitudinal Health Behavior Network (2020-2021)
  - Co-Lead, Institute for Social Research, SRC's COVID-19 Task Force (2021-2022)
- Promotion Review:**
- Medical School, University of Virginia: Assistant Professor to Associate Professor
  - School of Nursing, University of Nevada: Assistant Professor to Associate Professor
  - School of Public Health, Johns Hopkins University: Assistant Professor to Associate Professor
  - Medical School, Brown University: Assistant Professor to Associate Professor
  - Population Health Sciences Department, University of Utah: Associate Professor to Professor
- Journal Reviewer:**
- *Annals of Behavioral Medicine*
  - *Behavior Research Methods*
  - *Biometrics*
  - *Clinical Child and Family Psychology Review*
  - *Clinical Trials*
  - *Clinical Psychology: Science and Practice*
  - *Contemporary Clinical Trials*
  - *Health Psychology*
  - *Health Psychology Review*
  - *Human Relations*
  - *Industrial Relations*
  - *Journal of Applied Psychology*
  - *Journal of Health and Social Behavior*
  - *Journal of Medical Internet Research*
  - *Journal of Occupational Health Psychology*
  - *Journal of Organizational Behavior*
  - *Journal of Organizational and Occupational Psychology*
  - *Journal of the American Statistical Association*

- *Perspectives in Psychological Science*
- *Psychology of Addictive Behaviors*
- *Psychological Methods*

**Conference Reviewer**

- Society for Behavioral Medicine 2023 Annual Meeting

**Grant Application  
Reviewer:**

- Ministry of Science, Technology and Space, Israel (2016)
- Swiss National Science Foundation (2016)
- National Institutes of Health: NIDA Avant-Garde Award Program for HIV/AIDS and Drug Use Research (2018)
- ETH Zurich Research Commission: Mobile Digital Health (2019)
- National Institutes of Health: Risk, Prevention and Health Behavior Integrated Review Group (2020)
- Center for Technology and Behavioral Health (CTBH); Dartmouth College (2017-2020)
- National Institutes of Health: NIMH Review Panel— Clinical Trials to Test the Effectiveness of Treatment, Preventive, and Services Interventions (2021)
- National Institutes of Health: NHLBI Review Panel—Early Intervention to Promote Cardiovascular Health of Mothers and Children (ENRICH) Multisite Resource and Coordinating Center (2021)
- Israel Science Foundation (2022)
- The Wellcome Trust charitable foundation: Early-Career Award (2022)
- National Institutes of Health: NIDA HEAL Initiative Review Panel (2022)
- National Institutes of Health: NCCIH Training and Education Review Panel (2022)
- National Institutes of Health: NIDA Centers (P30 P50) Study Section (2023)
- National Institutes of Health: NIDA Panel on Ending the HIV Epidemic: Justice-Involved Populations (2023)
- Institute of Education Sciences: Social and Behavioral Two Peer Review Panel (2024)
- National Institutes of Health: NIA Clinical Trials Review Panel (2024)

**Consulting/Mentorship  
on Funded Projects:**

- NIH/NIMH R01 MH113722 (PI: Meffert)
- NIH/NINR R01 NR017635 (PI: Buchholz)
- NIH/NIC R01 CA225877 (PIs: Cadmusbertram, Phillips)
- NIH/NIAAA K01 AA024500 (PI: Tiura)
- NIH/NIMH K23 MH113776 (PI: Czyz)
- NIH/NIDA R34 DA046367 (PI: Carrico)
- NIH/NHLBI R01 HL132578 (PI: Levine)
- NIH/NIMH K23 MH122504 (PI: Buck)
- NIH/NIAAA K23 AA028232 (PI: Coughlin)
- NIH/NIDA K23 DA048181 (PI: Watson)
- NIH/NIDDK R01 DK124428 (PI: Stanger)



- NIH/NCI K99 CA252604 (PI: Potter)
- NIH/NIAAA T32AA007477 (PI: Blow)
- NIH/NCI T32 CA236621 (PI: Friesse)
- NIH/NIMH P30 MH062294-19S2 (PI: Spiegelman)
- NIH/NIMH F31 MH122101 (PI: Hong)
- DoD PR203509, W81XWH-20-PRMRP-CTA (PI: Garland)
- NIH/NCCIH K23AT010879 (PI: Goldberg)
- NIH/NIAAA K23AA030602 (PI: Marks)
- NIH/NIDDK K23DK134764 (PI: Berinstein)