

Daniel Nevo

Last updated: August 2026

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CURRENT POSITION	Associate Professor, Department of Statistics and Operations Research Tel Aviv University, Tel Aviv, Israel	2023–present
EDUCATION	The Hebrew University of Jerusalem, Israel	
	Ph.D., Statistics	2016
	Advisor: Ya'acov Ritov. Dissertation: "Methodological and theoretical aspects of statistical models in the big data era"	
	M.A., Statistics (<i>Magna Cum Laude</i>)	2011
	B.A., Statistics and Economics (<i>Magna Cum Laude</i>)	2009
ACADEMIC AND PROFESSIONAL EXPERIENCE	Visiting Associate Professor, <i>Institute for Data, Systems, and Society, Massachusetts Institute of Technology</i>	2025–2026
	Faculty Visitor, <i>Department of Statistics, Harvard University</i>	2025–2026
	Senior Lecturer, <i>Department of Statistics and Operations Research Tel Aviv University</i>	2018–2022
	Postdoctoral research fellow, <i>Departments of Biostatistics and Epidemiology, Harvard T.H. Chan School of Public Health</i>	2015–2018
	Teaching Assistant, <i>Department of Statistics, The Hebrew University of Jerusalem</i>	2009–2015
	Research Statistician, <i>Mashav Applied Research, Jerusalem</i>	2012
	Research Assistant, <i>Department of Statistics, The Hebrew University of Jerusalem</i>	2010
	Research Assistant, <i>Department of Economics, The Hebrew University of Jerusalem</i>	2010
HONORS AND AWARDS	MIT-Kalaniyot Sabbatical Scholar	2025–2026
	Tel Aviv University Rector's Award for Excellence in Teaching (top 100)	2021, 2023
	4th International Molecular Pathological Epidemiology Meeting Trainee Award (best poster)	2018
	Putter prize for excellent thesis in statistics, awarded by the Israel Statistical Association	2016
	8th EMR-IBS Conference Award for Best Student Paper in honor of Prof. Steve Lagakos	2015
	The Hebrew University Department of Statistics David Assaf prize for excellent PhD students	2013
	The Hebrew University of Jerusalem President's PhD Scholarship (Milgat Hanasi)	2012–2015
	The Department of Statistics scholarship for excellent M.A. students	2009–2011
	Included in list of outstanding junior teaching staff. The Hebrew University of Jerusalem	2009–2013
	Dean's list. The Hebrew University of Jerusalem	2008

1. **R. Axelrod**, U. Obolski, and **D. Nevo**, “Nonparametric bounds for vaccine effects in randomized trials,” *arXiv preprint arXiv:2510.25296*, 2025 [preprint]
2. **B. Weinstein** and **D. Nevo**, “Bayesian estimation of causal effects using proxies of a latent interference network,” *arXiv preprint arXiv:2505.08395*, 2025 [preprint]
3. D. Leventer and **D. Nevo**, “Correcting invalid regression discontinuity designs with multiple time period data,” *arXiv preprint arXiv:2408.05847*, 2024 [preprint]

METHODS AND
THEORY
PUBLICATIONS

1. **B. Weinstein** and **D. Nevo**, “Sensitivity analysis for contamination in egocentric-network randomized trials with interference,” *Biostatistics*, in press
2. **A. Baraz**, **D. Nevo**, A. Cahan, T. Brosh-Nissimov, M. Chowders, and U. Obolski, “Estimating treatment effects from non-overlapping cohorts with application to antimicrobial resistance,” *BMC Medical Research Methodology*, 2026
3. M. Gorfine and **D. Nevo**, “Censoring, competing events, and multistate models: Comment on Beyersmann et al. “Hazards Constitute Key Quantities for Analyzing, Interpreting and Understanding Time-to-Event Data”,” *Biometrical Journal*, vol. 68, no. 4, p. e70153, 2026
4. O. Danieli, **D. Nevo**, **I. Walk**, **B. Weinstein**, and D. Zeltzer, “Negative control falsification tests for instrumental variable designs,” *American Economic Review*, vol. 116, no. 4, pp. 1380–1414, 2026
5. **B. Weinstein** and **D. Nevo**, “Rejoinder to the discussion on ‘causal inference with misspecified network interference structure’,” *Biometrics*, vol. 82, no. 1, p. uja028, 2026
6. **B. Weinstein** and **D. Nevo**, “Causal inference with misspecified network interference structure,” *Biometrics*, vol. 82, no. 1, p. uja023, 2026
7. **T. Zehavi**, U. Obolski, M. Chowders, and **D. Nevo**, “Causal effects on non-terminal event time with application to antibiotic usage and future resistance,” *Statistics in Medicine*, vol. 45, no. 15–17, p. e70650, 2026
8. **R. Tsibulsky**, **D. Nevo**, and U. Shalit, “Set valued predictions for robust domain generalization,” in *Proceedings of the 42nd International Conference on Machine Learning (ICML 2025)*, vol. 267 of *Proceedings of Machine Learning Research*, pp. 60301–60335, 2025
9. **A. Sasson**, M. Wang, S. Ogino, and **D. Nevo**, “The subtype-free average causal effect for heterogeneous disease etiology,” *Biometrics*, vol. 81, no. 1, p. uja016, 2025
10. A. Bing, D. Spiegelman, **D. Nevo**, and J. J. Lok, “Learn-As-you-GO (LAGO) trials: optimizing treatments and preventing trial failure through ongoing learning,” *Biometrics*, vol. 81, no. 2, p. uja061, 2025
11. M. J. Stensrud, **D. Nevo**, and U. Obolski, “Distinguishing immunologic and behavioral effects of vaccination,” *Epidemiology*, vol. 35, no. 2, pp. 154–163, 2024
12. **T. Zehavi** and **D. Nevo**, “A matching framework for truncation by death problems,” *Journal of the Royal Statistical Society: Series A*, vol. 186, no. 4, pp. 659–681, 2023
13. **R. Axelrod** and **D. Nevo**, “A sensitivity analysis approach for the causal hazard ratio in randomized and observational studies,” *Biometrics*, vol. 79, no. 3, pp. 2743–2756, 2023

14. **D. Nevo** and M. Gorfine, “Causal inference for semi-competing risks data,” *Biostatistics*, vol. 23, no. 4, pp. 1115–1132, 2022
15. **D. Nevo**, D. Blacker, E. B. Larson, and S. Haneuse, “Modeling semi-competing risks data as a longitudinal bivariate process,” *Biometrics*, vol. 78, no. 3, pp. 922–936, 2022
16. **D. Nevo**, J. J. Lok, and D. Spiegelman, “Analysis of “learn-as-you-go” (LAGO) studies,” *The Annals of Statistics*, vol. 49, no. 2, pp. 793–819, 2021
17. **D. Nevo**, S. Ogino, and M. Wang, “Causal inference considerations for heterogeneous disease etiology,” *International Journal of Epidemiology*, vol. 50, no. 3, pp. 1030–1037, 2021
18. J. Vig, S. Gehrmann, Y. Belinkov, S. Qian, **D. Nevo**, Y. Singer, and S. Shieber, “Investigating gender bias in language models using causal mediation analysis,” *In Advances in Neural Information Processing Systems (NeurIPS, Spotlight presentation)*, 2020
19. S. Haneuse, D. Schrag, and **D. Nevo**, “Invited commentary: opportunities that come with studying the co-occurrence of multiple outcomes,” *American Journal of Epidemiology*, vol. 189, no. 9, pp. 982–984, 2020
20. **D. Nevo**, T. Hamada, S. Ogino, and M. Wang, “A novel calibration framework for survival analysis when a binary covariate is measured at sparse time points,” *Biostatistics*, vol. 21, no. 2, pp. e148–e163, 2020
21. L. Liu*, **D. Nevo***, R. Nishihara, Y. Cao, M. Song, T. Twombly, A. T. Chan, E. L. Giovannucci, T. J. VanderWeele, M. Wang, and S. Ogino, “Utility of inverse probability weighting in molecular pathological epidemiology,” *European Journal of Epidemiology*, vol. 33, no. 4, pp. 381–392, 2018
22. **D. Nevo**, X. Liao, and D. Spiegelman, “Estimation and inference for the mediation proportion,” *International Journal of Biostatistics*, vol. 13, no. 2, 2017
23. **D. Nevo**, R. Nishihara, S. Ogino, and M. Wang, “The competing risks Cox model with auxiliary case covariates under weaker missing-at-random cause of failure,” *Lifetime Data Analysis*, vol. 24, no. 3, pp. 425–442, 2018
24. **D. Nevo** and Y. Ritov, “Identifying a minimal class of models for high-dimensional data,” *Journal of Machine Learning Research*, vol. 18, no. 24, pp. 1–29, 2017
25. **D. Nevo** and Y. Ritov, “On Bayesian robust regression with diverging number of predictors,” *Electronic Journal of Statistics*, vol. 10, no. 2, 2016
26. **D. Nevo**, D. M. Zucker, R. M. Tamimi, and M. Wang, “Accounting for measurement error in biomarker data and misclassification of subtypes in the analysis of tumor data,” *Statistics in Medicine*, vol. 35, no. 30, pp. 5686–5700, 2016
27. **D. Nevo**, M. Mandel, E. Ein-Mor, O. Shen, A. B. Chetrit, E. Daniel-Spiegel, and S. Yagel, “A comparison of methods for construction of fetal reference charts,” *Statistics in Medicine*, vol. 35, no. 7, pp. 1226–1240, 2016
28. **D. Nevo** and Y. Ritov, “Around the goal: examining the effect of the first goal on the second goal in soccer using survival analysis methods,” *Journal of Quantitative Analysis in Sports*, vol. 9, no. 2, pp. 165–177, 2013

COLLABORATIVE
AND APPLIED
PUBLICATIONS

1. E. Golovenzitz, **D. Nevo**, O. Erez, I. Youssim, L. Novack, I. Kloog, and R. Raz, “Associations between prenatal exposure to ambient temperature and birthweight small-for-gestational-age: an integrative model,” *International Journal of Environmental Health Research*, 2026

2. S. Girgin, O. Erez, D. Nevo, I. Youssim, I. Kloog, and R. Raz, "Clarifying the 'set to zero' approach for time-varying prenatal exposures," *International Journal of Epidemiology*, vol. 55, no. 2, p. dyag047, 2026
3. S. Girgin, O. Erez, **D. Nevo**, and R. Raz, "Ambient temperature and preterm birth: Interaction by maternal medical factors and medications," *Environmental Research*, vol. 295, p. 123953, 2026
4. Y. Saciuk, **D. Nevo**, M. Chowders, and U. Obolski, "Penicillin allergy as an instrumental variable for estimating antibiotic effects on resistance," *Nature Communications*, vol. 16, no. 1, p. 1088, 2025
5. S. Girgin, O. Erez, **D. Nevo**, I. Youssim, I. Kloog, and R. Raz, "Prenatal exposure to ambient temperature and preterm birth: a historical cohort," *International Journal of Epidemiology*, vol. 54, no. 4, p. dyaf106, 2025
6. T. Hamada, T. Ugai, C. Gurjao, S. Ugai, X. Zhang, K. Haruki, Y. Takashima, N. Akimoto, M. Lau, K. Matsuda, N. Nakazawa, M. Higashioka, S. Miyahara, K. Kosumi, Y. Masugi, L. Liu, Y. Cao, **D. Nevo**, M. Wang, R. Nishihara, S. Shukla, C. Wu, L. Garraway, J. Meyerhardt, J. Giovannucci, EL amd Nowak, C. Fuchs, A. Chan, M. Song, M. Giannakis, and S. Ogino, "Smoking habit and long-term colorectal cancer incidence by exome-wide mutational and neoantigen loads: evidence based on the prospective cohort incident-tumour biobank method," *BMJ Oncology*, vol. 4, no. 1, p. e000787, 2025
7. T. Hamada, H. Oyama, **D. Nevo**, S. Tange, S. Takaoka, Y. Kawaguchi, K. Ishigaki, K. Noguchi, T. Saito, T. Sato, *et al.*, "Risk factors for pancreatic cancer in individuals with intraductal papillary mucinous neoplasms and no high-risk stigmata during up to 5 years of surveillance: a prospective longitudinal cohort study," *Gut*, vol. 74, no. 6, pp. 971–982, 2025
8. N. Alterman, **D. Nevo**, R. Calderon-Margalit, I. Youssim, I. Kloog, M. Hauzer, and R. Raz, "Ambient temperature and indicators of overweight during infancy and early childhood: a population-based historical cohort study," *Environmental Research*, vol. 282, p. 121983, 2025
9. H. Oyama, T. Hamada, **Daniel Nevo**, Y. Nakai, Y. Nakai, M. S. Petrov, and TOP-CREATE Study Group, "Relationship of intrapancreatic fat deposition with pancreatic cancer differs according to carcinoma types," *Gastroenterology*, vol. 169, no. 4, pp. 718–721.e5, 2025
10. S. S. Cherny, R. Y. Brzezinski, A. Wasserman, A. Adler, S. Berliner, **D. Nevo**, S. Rosset, and U. Obolski, "Characterizing CRP dynamics during acute infections," *Infection*, vol. 53, no. 3, pp. 1199–1203, 2025
11. O. Atia, R. Buchuk, R. Lujan, S. Greenfeld, R. Kariv, Y. Loewenberg Weisband, N. Lederman, E. Matz, O. Ledder, E. Zittan, H. Yanai, D. Shwartz, M. Freiman, I. Dotan, **D. Nevo**, and D. Turner, "Predictors of complicated disease course in children and adults with ulcerative colitis: A nationwide study from the epi-iirn," *Inflammatory Bowel Diseases*, vol. 31, no. 3, pp. 655–664, 2025
12. N. Alterman, D. Nevo, R. Calderon-Margalit, I. Youssim, B. Weinstein, I. Kloog, M. Hauzer, and R. Raz, "Ambient temperature exposure and rapid infant weight gain," *International Journal of Epidemiology*, vol. 53, no. 6, p. dyae134, 2024
13. R. Lujan, R. Buchuk, G. Focht, D. Yogev, S. Greenfeld, A. Ben-Tov, Y. L. Weisband, N. Lederman, E. Matz, S. B. Horin, I. Dotan, **D. Nevo**, and D. Turner, "Early initiation of biologics and disease outcomes in adults and children with inflammatory bowel diseases: results from the epidemiology group of the nationwide israeli inflammatory bowel disease research nucleus cohort," *Gastroenterology*, vol. 166, no. 5, pp. 815–825, 2024

14. U. Obolski, M. J. Stensrud, and **D. Nevo**, "A call for blinding assessments in dengue vaccine trials," *The Lancet Infectious Diseases, Correspondence*, vol. 24, no. 1, p. e10, 2024
15. O. Atia, R. Lujan, R. Buchuk, S. Greenfeld, R. Kariv, Y. Loewenberg Weisband, N. Ledderman, E. Matz, O. Ledder, E. Zittan, H. Yanai, D. Shwartz, I. Dotan, **D. Nevo**, and D. Turner, "Predictors of Complicated Disease Course in Adults and Children With Crohn's Disease: A Nationwide Study from the epi-IIRN," *Inflammatory Bowel Diseases*, vol. 30, no. 12, pp. 2370–2379, 2024
16. Z. Hersh, Y. L. Weisband, A. Bogan, A. Leibovich, U. Obolski, **D. Nevo**, and R. Gilad-Bachrach, "Impact of Long-COVID in children: a large cohort study," *Child and Adolescent Psychiatry and Mental Health*, vol. 18, no. 1, p. 48, 2024
17. I. Youssim, O. Erez, L. Novack, **D. Nevo**, I. Kloog, and R. Raz, "Ambient temperature and preeclampsia: A historical cohort study," *Environmental Research*, vol. 238, p. 117107, 2023
18. N. Alterman, I. Youssim, **D. Nevo**, R. Calderon-Margalit, Yuval, D. Broday, M. Hauzer, and R. Raz, "Prenatal and postnatal exposure to no2 and rapid infant weight gain—a population-based cohort study," *Paediatric and Perinatal Epidemiology*, 2023
19. **A. Baraz**, M. Chowers, **D. Nevo**, and U. Obolski, "The time-varying association between previous antibiotic use and antibiotic resistance," *Clinical Microbiology and Infection*, vol. 29, no. 3, pp. 390.e1–390.e4, 2023
20. N. Ben-Zuk, Y. Daon, **A. Sasson**, D. Ben-Adi, A. Huppert, **D. Nevo**, and U. Obolski, "Assessing covid-19 vaccination strategies in varied demographics using an individual-based model," *Frontiers in Public Health*, vol. 10, p. 966756, 2022
21. M. Chowers, **T. Zehavi**, B.-S. Gottesman, **A. Baraz**, **D. Nevo**, and U. Obolski, "Estimating the impact of cefuroxime versus cefazolin and amoxicillin/clavulanate use on future collateral resistance: a retrospective comparison," *Journal of Antimicrobial Chemotherapy*, vol. 77, no. 7, pp. 1992–1995, 2022
22. S. Hayek, G. Shaham, Y. Ben-Shlomo, E. Kepten, N. Dagan, **D. Nevo**, M. Lipsitch, B. Y. Reis, R. D. Balicer, and N. Barda, "Indirect protection of children from SARS-CoV-2 infection through parental vaccination," *Science*, vol. 375, no. 6585, pp. 1155–1159, 2022
23. O. Atia, N. Asayag, G. Focht, R. Lujan, O. Ledder, S. Greenfeld, R. Kariv, I. Dotan, H. Gabay, R. Balicer, Z. Haklai, **D. Nevo**, and D. Turner, "Perianal Crohn's Disease Is Associated With Poor Disease Outcome: A Nationwide Study From the epiIIRN Cohort," *Clinical Gastroenterology and Hepatology*, vol. 20, no. 3, pp. e484–e495, 2022
24. G. Cohen, **D. Nevo**, T. Hasin, E. Y. Benyamini, U. Goldbourt, and Y. Gerber, "Resumption of sexual activity after acute myocardial infarction and long-term survival," *European Journal of Preventive Cardiology*, vol. 29, no. 2, pp. 304–311, 2022
25. R. Lev-Tzion, G. Focht, R. Lujan, A. Mendelovici, C. Friss, S. Greenfeld, R. Kariv, A. Ben-Tov, E. Matz, **D. Nevo**, Y. Barak-Corren, I. Dotan, and D. Turner, "COVID-19 vaccine is effective in inflammatory bowel disease patients and is not associated with disease exacerbation," *Clinical Gastroenterology and Hepatology*, vol. 20, no. 6, pp. e1263–e1282, 2022
26. O. Atia, G. Focht, R. Lujan, O. Ledder, S. Greenfeld, R. Kariv, I. Dotan, H. Yanai, H. Gabay, R. Balicer, Z. Haklai, **D. Nevo**, and D. Turner, "Perianal Crohn's Disease is More Common in Children and is Associated with Complicated Disease Course Despite Higher Utilization of Biologics: A Population-based Study from the epiIIRN," *Journal of Pediatric Gastroenterology and Nutrition*, 2022

27. O. Atia, E. Orlanski-Meyer, R. Lujan, N. Ledderman, S. Greenfeld, R. Kariv, S. Daher, H. Yanai, Y. Loewenberg Weisband, H. Gabay, E. Matz, **D. Nevo**, J. Ollech, E. Zittan, E. Israeli, D. Schwartz, Y. Chowers, I. Dotan, and D. Turner, "Colectomy rates did not decrease in pediatric- and adult-onset ulcerative colitis during the biologics era - a nationwide study from the epi-IIRN," *Journal of Crohn's and Colitis*, vol. 16, no. 5, pp. 796–803, 2022
28. O. Atia, E. Orlanski-Meyer, R. Lujan, N. Ledderman, S. Greenfeld, R. Kariv, S. Daher, H. Yanai, Y. Loewenberg Weisband, H. Gabay, E. Matz, **D. Nevo**, E. Israeli, D. Schwartz, Y. Chowers, I. Dotan, and D. Turner, "Improved outcomes of pediatric and adult Crohn's disease and association with emerging use of biologics - a nationwide study from the epi-IIRN," *Journal of Crohn's and Colitis*, vol. 16, no. 5, pp. 778–785, 2022
29. H. Magen-Molho, M. G. Weisskopf, **D. Nevo**, A. Shtein, S. Chen, D. Broday, I. Kloog, H. Levine, O. Pinto, and R. Raz, "Air pollution and autism spectrum disorder in Israel: A negative control analysis," *Epidemiology*, vol. 32, no. 6, pp. 773–780, 2021
30. I. Goldshtein, **D. Nevo**, D. M. Steinberg, R. S. Rotem, M. Gorfine, G. Chodick, and Y. Segal, "Association between bnt162b2 vaccination and incidence of sars-cov-2 infection in pregnant women," *Jama*, vol. 326, no. 8, pp. 728–735, 2021
31. R. Harari-Kremer, R. Calderon-Margalit, T. I. Korevaar, **D. Nevo**, D. Broday, I. Kloog, I. Grotto, I. Karakis, A. Shtein, A. Haim, and R. Raz, "Associations between prenatal exposure to air pollution and congenital hypothyroidism," *American Journal of Epidemiology*, vol. 190, no. 12, pp. 2630–2638, 2021
32. S. S. Cherny, **D. Nevo**, **A. Baraz**, S. Baruch, O. Lewin-Epstein, G. Y. Stein, and U. Obolski, "Revealing antibiotic cross-resistance patterns in hospitalized patients through bayesian network modelling," *Journal of Antimicrobial Chemotherapy*, vol. 76, no. 1, pp. 239–248, 2021
33. Y. Shi, L. Liu, T. Hamada, J. A. Nowak, M. Giannakis, Y. Ma, M. Song, **D. Nevo**, K. Kosumi, M. Gu, S. A. Kim, T. Morikawa, K. Wu, J. Sui, K. Papantoniou, M. Wang, A. T. Chan, C. S. Fuchs, J. A. Meyerhardt, E. Giovannucci, S. Ogino, E. S. Schernhammer, R. Nishihara, and X. Zhang, "Night-shift work duration and risk of colorectal cancer according to IRS1 and IRS2 expression," *Cancer Epidemiology and Prevention Biomarkers*, vol. 29, no. 1, pp. 133–140, 2020
34. N. Keum, L. Liu, T. Hamada, Z. R. Qian, J. A. Nowak, Y. Cao, A. da Silva, K. Kosumi, M. Song, **D. Nevo**, M. Wang, A. T. Chan, J. A. Meyerhardt, C. S. Fuchs, K. Wu, S. Ogino, R. Nishihara, and X. Zhang, "Calcium intake and colon cancer risk subtypes by tumor molecular characteristics," *Cancer Causes & Control*, pp. 1–13, 2019
35. K. Kosumi, T. Hamada, H. Koh, J. Borowsky, S. Bullman, T. S. Twombly, **D. Nevo**, Y. Masugi, L. Liu, A. da Silva, *et al.*, "The amount of bifidobacterium genus in colorectal carcinoma tissue in relation to tumor characteristics and clinical outcome," *The American Journal of Pathology*, vol. 188, no. 12, pp. 2839–2852, 2018
36. T. Hamada, L. Liu, J. A. Nowak, K. Mima, Y. Cao, K. Ng, T. S. Twombly, M. Song, S. Jung, R. Dou, Y. Masugi, K. Kosumi, Y. Shi, A. da Silva, M. Gu, W. Li, N. Keum, K. Wu, K. Noshio, K. Inamura, J. A. Meyerhardt, **D. Nevo**, M. Wang, M. Giannakis, A. T. Chan, E. L. Giovannucci, C. S. Fuchs, R. Nishihara, X. Zhang, and S. Ogino, "Vitamin D status after colorectal cancer diagnosis and patient survival according to immune response to tumour," *European Journal of Cancer*, vol. 103, pp. 98–107, 2018
37. L. Liu, F. K. Tabung, X. Zhang, J. A. Nowak, Z. R. Qian, T. Hamada, **D. Nevo**, S. Bullman, K. Mima, K. Kosumi, *et al.*, "Diets that promote colon inflammation associate with risk of colorectal carcinomas that contain fusobacterium nucleatum," *Clinical Gastroenterology and Hepatology*, vol. 16, no. 10, pp. 1622–1631, 2018

38. L. Liu, R. Nishihara, Z. R. Qian, F. K. Tabung, **D. Nevo**, X. Zhang, M. Song, Y. Cao, K. Mima, Y. Masugi, Y. Shi, A. da Silva, T. Twombly, M. Gu, W. Li, T. Hamada, K. Kosumi, K. Inamura, J. A. Nowak, D. A. Drew, P. Lochhead, K. Nosho, K. Wu, M. Wang, W. S. Garrett, A. T. Chan, C. S. Fuchs, E. L. Giovannucci, and S. Ogino, "Association between inflammatory diet pattern and risk of colorectal carcinoma subtypes classified by immune responses to tumor," *Gastroenterology*, vol. 153, no. 6, pp. 1517–1530, 2017
39. Y. Masugi, R. Nishihara, T. Hamada, M. Song, A. da Silva, K. Kosumi, M. Gu, Y. Shi, W. Li, L. Liu, **D. Nevo**, K. Inamura, Y. Cao, X. Liao, K. Nosho, A. T. Chan, M. Giannakis, A. J. Bass, F. S. Hodi, G. J. Freeman, S. J. Rodig, C. S. Fuchs, Z. R. Qian, J. A. Nowak, and S. Ogino, "Tumor PDCD1LG2 (PD-L2) expression and the lymphocytic reaction to colorectal cancer," *Cancer Immunology Research*, vol. 5, no. 11, pp. 1046–1055, 2017
40. T. Hamada, Y. Cao, Z. R. Qian, Y. Masugi, J. A. Nowak, J. Yang, M. Song, K. Mima, K. Kosumi, L. Liu, Y. Shi, A. da Silva, M. Gu, W. Li, N. Keum, X. Zhang, K. Wu, J. A. Meyerhardt, E. L. Giovannucci, M. Giannakis, S. J. Rodig, G. J. Freeman, **D. Nevo**, M. Wang, A. T. Chan, C. S. Fuchs, R. Nishihara, and S. Ogino, "Aspirin use and colorectal cancer survival according to tumor CD274 (PD-L1) expression status," *Journal of Clinical Oncology*, vol. 35, no. 16, pp. 1836–1844, 2017
41. P. T. Campbell, T. R. Rebbeck, R. Nishihara, A. H. Beck, C. B. Begg, A. A. Bogdanov, Y. Cao, H. G. Coleman, G. J. Freeman, Y. J. Heng, C. Huttenhower, R. A. Irizarry, N. S. Kip, F. Michor, **D. Nevo**, U. Peters, A. I. Phipps, E. M. Poole, Z. R. Qian, J. Quackenbush, H. Robins, P. K. Rogan, M. L. Slattery, S. A. Smith-Warner, M. Song, T. J. VanderWeele, D. Xia, E. C. Zabor, X. Zhang, M. Wang, and S. Ogino, "Proceedings of the third international molecular pathological epidemiology (MPE) meeting," *Cancer Causes & Control*, pp. 1–10, 2017
42. E. Daniel-Spiegel, M. Mandel, **D. Nevo**, A. Ben-Chetrit, O. Shen, E. Shalev, and S. Yagel, "Fetal biometry in the israeli population: New reference charts," *The Israel Medical Association journal: IMAJ*, vol. 18, no. 1, pp. 40–44, 2016

FUNDING	Israel Science Foundation (PI: Nevo) 1,100,000 NIS <i>Advancing causal inference methodologies for network interference</i>	Oct 2025–Sep 2030
	Tel Aviv University Data Science Center (PI: Nevo, Saporta Eksten & Schlosser) 200,000 NIS <i>Generalized regression discontinuity design with multiple time periods and comparison groups for causal inference: theory and practice</i>	Mar 2023–Feb 2025
	Edmond J. Safra Center-Tel Aviv Sourasky Medical Center Clinical Bioinformatics Research Grant (PI: Nevo, Berliner, Obolski, Rosset, Shenhar-Tsarfaty) 150,000 NIS <i>Identifying effective antibiotic treatments through CRP dynamics</i>	Jun 2022–May 2024
	Israel Science Foundation (PI: Nevo) 928,000 NIS <i>Advances in principal stratification for truncation by death problems</i>	Oct 2021–Sep 2025
	Google AI for Social Good (PI: Nevo, Danieli & Zeltzer) 200,000 NIS <i>General Falsification Tests for Instrumental Variables</i>	Apr 2021–Mar 2023
	Google AI for Social Good (PI: Nevo & Obolski) 205,320 NIS <i>High resolution modeling and optimal intervention to control of the spread of Covid-19 in Israel.</i>	Nov 2020–Oct 2023
	Tel Aviv University Data Science Center (PI: Nevo & Obolski) 200,000 NIS <i>Revealing the causal effects of antibiotic treatment on antibiotic resistance in hospitalized patients.</i>	Jun 2020–May 2022
	TAU/NU call for COVID-19 joint research (PI: Nevo & Obolski) 85,000 NIS (25,000 US) <i>Drivers of differential COVID-19 spread and response to interventions in minority populations.</i>	Oct 2020–Sep 2021
STUDENTS	Current PhD students: Avi Baraz (joint with Dr. Uri Obolski, School of Public Health), Shahar Cohen, Bar Weinstein, Tamir Zehavi	
	Current MSc students: Nir Aviv, Tzllil Lijishal	
	Former PhD students: Rachel Axelrod (2026)	
TEACHING EXPERIENCE	Former master students: Tamir Zehavi (MSc, 2021), Amit Sasson (MSc, 2021), Avi Baraz (MSc, 2021, joint supervision with Dr. Uri Obolski), Tzach Ben-Menachem (MPH, 2022, Hebrew University of Jerusalem, joint supervision with Dr. Raanan Raz), Yael Naor (MSc, 2022), Noam Barda (MSc, 2022), Karin Cohen (MSc, 2023), Eyal Noy (MSc, 2023), Itai Walk (MSc, 2024), Hadar Rosenwald (MSc, 2024, Technion IE &M, joint supervision with Dr. Uri Shalit), Ron Tsibulsky (CS, TAU, 2025, joint supervision with Dr. Uri Shalit), Noam Tetelman (MSc, 2026)	
	• Courses taught at <i>Tel Aviv University</i>: Advanced Biostatistical Methods (2018, 2019), Causal Inference (graduate level, 2019, 2021, 2022, 2024), Readings in Causal Inference (graduate level, 2019), Biostatistical Methods (2020), MSc Seminar in Statistics (2021, 2022), Statistical Models B (2021, 2022a, 2022b, 2023, 2024), Generalized Linear Models (graduate level, 2023), BSc Seminar in Statistics (2024) • Teaching Assistant at <i>Department of Statistics, The Hebrew University of Jerusalem</i> 2009–2015 Statistical Inference and Applications B, Advanced Statistical Models A (MA course), Principles and Applications in Statistical Analysis.	

PROFESSIONAL
SERVICE

Journal editorial board: Associate Editor of *Biometrics* 2020–present

Journal and conference reviewer for: *AJE Advances: Research in Epidemiology, American Journal of Epidemiology, Annals of Statistics, Annals of Applied Statistics, Bioinformatics, Biometrical Journal, Biometrics, Biometrika, Biostatistics, Cancer Causes & Control, Epidemiologic Methods, International Journal of Epidemiology, Journal of the American Statistical Association, Journal of Computational and Graphical Statistics, Journal of Quantitative Analysis in Sports, Journal of the Royal Statistical Society: Series B, Lifetime Data Analysis, NeurIPS, PNAS, Sports, Statistica Sinica, Statistical Methods in Medical Research, Statistics in Medicine*

Reviewer for grant proposals: U.S.-Israel Binational Science Foundation, Israel Science Foundation

Reviewer for The Azrieli Foundation: Preselection Academic Committee for International Postdoctoral Fellowship 2020, 2022, 2025

Scientific Program Committee, The 2nd Conference on Lifetime Data Science (LiDS) 2019, CMStatistics 2021, American Causal Inference Conference (ACIC) 2023, ICHPS 2025, ISCB 2025

Invited session organizer: ENAR 2017, LiDS 2019, CMStatistics 2020, 2021, ISNPS 2024, ISNPS 2026

Service to scientific organization: Publicity Officer, EMR-IBS 2019–2023
Council member, The Israel Statistics and Data Science Association (ISDSA) 2024–present

TALKS AND
PRESENTATIONS

Joint Statistical Meetings (JSM) 2026 Aug 2026
Boston, MA, United States
Transportability and Generalizability of Causal Effects Under Network Interference

Sixth International Workshop on Statistical Analyses of Multi-Outcome data (SAM) Jul 2026
Bordeaux, France
Invited talk: *Causal effects on non-terminal event time with application to antibiotic usage and future resistance*

George Mason University, Department of Statistics Seminar Mar 2026
Fairfax, VA, United States
Invited talk: *Causal inference under misspecified network interference structure*

University of Florida, Department of Statistics Seminar Feb 2026
Gainesville, FL, United States
Invited talk: *Causal inference under misspecified network interference structure*

Harvard Pilgrim Health Care Institute, Division of Biostatistics Seminar Jan 2026
Boston, MA, United States
Invited talk: *Distinguishing Immunologic and Behavioral Effects of Vaccination*

University of Pennsylvania, Department of Statistics and Data Science Seminar Dec 2025
Philadelphia, PA, United States
Invited talk: *Causal inference under misspecified network interference structure*

Yale University Public Health Modeling Unit Nov 2025
New Haven, CT, United States
Invited talk: *Distinguishing Immunologic and Behavioral Effects of Vaccination*

Columbia University Department of Statistics Causal Inference Learning Group Seminar Nov 2025
New York, NY, United States
Invited talk: *Distinguishing Immunologic and Behavioral Effects of Vaccination*

Boston University Causal Inference Seminar Nov 2025
Boston, MA, United States
Invited talk: *Causal inference under misspecified network interference*

The Israel Statistical and Data Science Association (ISDSA) annual meeting May 2025
 MUZA, Tel Aviv, Israel
Invited talk: *Distinguishing Behavioral and Non-Behavioral Effects in Randomized Trials*

Ben-Gurion University of the Negev, Department of Software and Information Systems Engineering Seminar Apr 2025
 Beersheba, Israel
Invited talk: *Negative Control Tests for Instrumental Variable Designs*

EPFL, Statistics Seminar Mar 2025
 Lausanne, Switzerland
Invited talk: *Robust causal inference in networks: addressing misspecification, proxy observations, and transportability*

Tel Aviv University, Electrical Engineering Systems Seminar Aug 2024
 Tel Aviv-Yafo, Israel
Invited talk: *Causal inference with misspecified network interference*

The Hebrew University of Jerusalem, Statistics Department Seminar Jul 2024
 Jerusalem, Israel
Invited talk: *Negative Control Tests for Instrumental Variable Designs*

International Symposium on Nonparametric Statistics (ISNPS 2024) Jun 2024
 Braga, Portugal
Invited talk: *Nonparametric identification of immunological and behavioral effects in vaccine studies*

European Causal Inference Meeting (EuroCIM 2024) Apr 2024
 Copenhagen, Denmark
Negative Control Tests for Instrumental Variable Designs

Tel Aviv University, Department of Statistics & Operations Research Seminar Feb 2024
 Tel Aviv-Yafo, Israel
Invited talk: *Negative Control Tests for Instrumental Variables*

Umeå University, Joint Statistical Seminar Jan 2024
 Umeå, Sweden
Invited talk: *Causal inference for semi-competing risks data*

16th International Conference of the ERCIM WG on Computational and Methodological Statistics (CM-Statistics 2023) Dec 2023
 Berlin, Germany (hybrid)
Invited talk: *Causal inference for semi-competing risks data with application to Alzheimer's disease*

Annual conference of the International Society for Clinical Biostatistics (ISCB) Aug 2023
 Milano, Italy
Practical considerations for using negative control exposures to detect residual confounding

The Hebrew University of Jerusalem, Statistics Department Seminar Jun 2023
 Jerusalem, Israel
Invited talk: *Causal inference with misspecified network interference*

The 3rd Conference on Lifetime Data Science (LiDS) Jun 2023
 Raleigh, NC, USA
Invited talk: *A sensitivity analysis approach for the causal hazard ratio in randomized and observational studies*

American Causal Inference Conference (ACIC 2023) May 2023
 Austin, TX, USA

Causal inference under misspecified network interference

Weizmann Institute of Science, Statistics and Machine Learning Seminar
Rehovot, Israel

May 2023

Invited talk: *Causal inference with misspecified network interference*

European Causal Inference Meeting (EuroCIM 2023)

Apr 2023

Oslo, Norway

Causal inference under misspecified network interference

The 2nd Israel Data Science Initiative Conference (IDSI 2023)

Jan 2023

Ein Gedi, Israel

Invited talk: *Negative Controls for Instrumental Variables*

31st International Biometrics Conference (IBC 2022)

Jul 2022

Riga, Latvia

The subtype-free average causal effect for disease heterogeneity studies

International Symposium on Nonparametric Statistics (ISNPS 2022)

Jun 2022

Paphos, Cyprus

Invited talk: *Causal inference for semi-competing risks data*

AI and Big Data in Medical and Public Health Sciences conference

Jun 2022

Ben Gurion University, Beersheba, Israel

Invited talk: *Causal inference for infectious diseases*

Technion, Industrial Engineering and Management Computational Data Science Seminar

May 2022

Haifa, Israel

Invited talk: *Negative controls for instrumental variables.*

First conference of the Tel Aviv University Center for Combating Pandemics (TCCP)

Mar 2022

Tel Aviv, Israel

Invited talk: *You can't always get what you want: estimating vaccine causal effects from observational data.*

AI week 2022

Feb 2022

Online due to the COVID-19 outbreak (Tel Aviv)

Invited talk: *Causal inference for infectious diseases*

14th International Conference of the ERCIM WG on Computational and Methodological Statistics (CM-Statistics 2021)

Dec 2021

Online due to the COVID-19 outbreak

Invited talk: *The subtype-free average causal effect for disease heterogeneity studies*

Haifa University, Department of Statistics Seminar

Nov 2021

Haifa, Israel

Invited talk: *Causal inference for semi-competing risks data*

Tel Aviv University, Department of Statistics & Operations Research Seminar

Oct 2021

Tel Aviv-Yafo, Israel

Invited talk: *Causal inference for semi-competing risks data*

European Causal Inference Meeting (EuroCIM 2021)

May 2021

Online due to the COVID-19 outbreak

A matching framework for truncation by death problems

Tel Aviv University, School of Public Health colloquium seminar

Dec 2020

Online due to the COVID-19 outbreak

Invited talk: *A gentle introduction to statistical methods for studying disease heterogeneity in epidemiologic research*

13th International Conference of the ERCIM WG on Computational and Methodological Statistics (CM-Statistics 2020) Dec 2020
Online due to the COVID-19 outbreak
Invited talk: *Causal inference for semi-competing risks data*

European Causal Inference Meeting (EuroCIM 2020) Apr 2020
Online due to the COVID-19 outbreak
Invited talk: *Causal inference for semi-competing risks data*

The 11th International Chinese Statistical Association (ICSA) International Conference Dec 2019
Hangzhou, China
Invited talk: *Analysis of semi-competing risks data via bivariate longitudinal models*

Israel Statistical Association (ISA) annual meeting Jun 2019
Bar-Ilan University, Israel
Invited talk: *LAGO: The adaptive Learn-As-you-GO design for multi-stage intervention studies*

The 2nd Conference on Lifetime Data Science (LiDS) May 2019
Pittsburgh, PA, USA
Invited talk: *A novel calibration framework for survival analysis when a binary covariate is measured at sparse time points*

The Hebrew University of Jerusalem, Statistics Department Seminar Apr 2019
Jerusalem, Israel
Invited talk: *LAGO: The adaptive Learn-As-you-GO design for multi-stage intervention studies*

Eastern North American Region (ENAR) 2019 spring meeting Mar 2019
Philadelphia, PA, USA
Invited talk: *Analysis of semi-competing risks data via bivariate longitudinal models*

Eastern Mediterranean Region of the International Biometric Society (EMR-IBS) conference Dec 2018
Jerusalem, Israel
A novel calibration framework for survival analysis when a binary covariate is measured at sparse time points

LMU – TAU Workshop “Data Science – Combining Statistics and Computer Science” Nov 2018
Munich, Germany
On classical and modern variable selection in regression

Tel Aviv University, Department of Statistics & Operations Research Seminar Nov 2018
Tel Aviv-Yafo, Israel
LAGO: The adaptive Learn-As-you-GO design for multi-stage intervention studies

The 4th International Molecular Pathological Epidemiology (MPE) Meeting May 2018
Boston, MA, USA
Invited Poster: *Inverse probability weighting for selection bias in molecular pathological epidemiology*

Atlantic Causal Inference Conference (ACIC) 2018 May 2018
Pittsburgh, PA, USA
Poster: *On the difference method for mediation analysis in generalized linear models*

Harvard University, 4th Kolokotronis Symposium on Data Science: “The Data Science of Implementation Science” May 2018
Boston, MA, USA
Invited talk: *The Adaptive ‘Learn-As-You-Go’ Design for Multi-Stage Intervention Studies.*

Harvard University, Department of Biostatistics, Statistical methods in Epidemiology Seminar Apr 2018
Boston, MA, USA
The Adaptive ‘Learn-As-You-Go’ Design for Multi-Stage Intervention Studies.

American Cancer Society Atlanta, GA, USA Invited talk: <i>Dealing with missing tumor subtype data, with application to colorectal cancer</i>	Dec 2017
Joint Statistical Meetings (JSM) 2017 Baltimore, MD, USA <i>The adaptive “learn-as-you-go” design for multi-stage intervention studies</i>	Aug 2017
19th Meeting of New Researchers in Statistics and Probability (IMS-NRC) Johns Hopkins University, MD, USA Poster/Flash-talk: <i>The adaptive “learn-as-you-go” design for multi-stage intervention studies</i>	Jul 2017
Harvard University, Department of Biostatistics, Neurostatistics Seminar, Boston, MA, USA <i>A unified calibration approach for the Cox model when the starting time of a time-dependent binary covariate is interval-censored</i>	May 2017
The 31st New England Statistics Symposium (NESS 2017) University of Connecticut, CT, USA Invited talk: <i>Calibration models for survival analysis with interval-censored exposure or treatment starting time</i>	Apr 2017
Eastern North American Region (ENAR) 2017 spring meeting Washington, DC, USA Invited talk: <i>Dealing with missing subtypes under weak assumptions using auxiliary case covariates</i>	Mar 2017
Technion, Industrial Engineering and Management Quant Seminar Haifa, Israel <i>Identifying a minimal class of models for high-dimensional data</i>	Dec 2016
Haifa University, Department of Statistics Seminar Haifa, Israel <i>Causal mediation analysis for generalized linear models</i>	Dec 2016
Tel Aviv University, Department of Statistics & Operations Research Seminar Tel Aviv-Yafo, Israel <i>Causal mediation analysis for generalized linear models</i>	Dec 2016
The Hebrew University of Jerusalem, Statistics Department Seminar Jerusalem, Israel <i>Causal mediation analysis for generalized linear models</i>	Dec 2016
Harvard University, Department of Biostatistics, Statistical methods in Epidemiology Seminar Boston, MA, USA <i>Estimation and inference for the mediation proportion</i>	Dec 2016
The 28th International Biometric Conference (IBC2016) Victoria, BC, Canada 1. <i>The competing risks Cox model with missing cause of failure and auxiliary case covariates</i> 2. <i>Poster: Inference for mediation proportion in generalized linear models</i>	Jul 2016
The 3rd International Molecular Pathological Epidemiology (MPE) Meeting Boston, MA, USA <i>Dealing with missing subtypes using auxiliary case covariates</i>	May 2016
Harvard University, Department of Biostatistics, Neurostatistics Seminar, Boston, MA, USA <i>The competing risks Cox model with missing cause of failure and auxiliary case covariates:</i>	Mar 2016

an application to cancer subtype analysis

Harvard University, Department of Biostatistics, Statistical methods in Epidemiology Seminar Nov 2015
Boston, MA, USA

Construction of fetal reference charts: Why and how?

Harvard University, Departments of Biostatistics and Epidemiology Sep 2015
Boston, MA, USA

Accounting for measurement error in biomarker data and misclassification in subtype analysis of heterogeneous tumor data

Israel Statistical Association (ISA) annual meeting May 2015
Jerusalem, Israel

Accounting for measurement error in biomarker data and misclassification in subtype analysis of heterogeneous tumor data

Eastern Mediterranean Region of the International Biometric Society (EMR-IBS) conference. May 2015
Cappadocia, Turkey

Accounting for measurement error in biomarker data and misclassification in subtype analysis of heterogeneous tumor data

Annual conference of the International Society for Clinical Biostatistics (ISCB) Aug 2014
Vienna, Austria

Simpler is better: a comparison of methods for construction of fetal reference charts

ISA annual meeting Jun 2014
Ra'anana, Israel

Simpler is better: a comparison of methods for construction of fetal reference charts

Israel Statistical Association (ISA) meeting May 2013
Wingate institute, Israel

Around the goal: Examining the effect of the first goal on the second goal in soccer using survival analysis methods

PROGRAMMING SKILLS

- Proficient: R (Packages authored: `GEEmediate`, `ICcalib`, `CausalSemiComp`, `LongitSemiComp`)
- Working knowledge: Python, Matlab, SAS (Macro authored: `subtype_weights`)
- Basic knowledge: C++