Daniel Nevo

Contact Information

Department of Statistics and Operations Research
Tel Aviv University
Tel Aviv, 6997801, Israel

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Current Position

Senior Lecturer, 2018 - present
Department of Statistics and Operations Research
Tel Aviv University, Tel Aviv, Israel

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 (*Magna Cum Laude*) 2011
- B.A, Statistics and Economics (*Magna Cum Laude*) 2009

Academic and Professional Experience

Postdoctoral research fellow at *Departments of Biostatistics and Epidemiology, Harvard T.H. Chan School of Public Health* 2015 - 2018

Teaching Assistant at *Department of Statistics, The Hebrew University of Jerusalem* 2009 - 2015

Research Statistician at *Mashav Applied Research*, Jerusalem 2012

Research Assistant at *Department of Statistics, The Hebrew university of Jerusalem* 2010

Research Assistant at *Department of Economics, The Hebrew university of Jerusalem* 2010

Honors and Awards

Tel Aviv University Rector's Award for Excellence in Teaching 2021

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

PREPRINTS

1. **B. Weinstein** and **D. Nevo**, "Causal inference with misspecified interference structure," *arXiv preprint arXiv:2302.11322*, 2023[preprint]
2. O. Danieli, **D. Nevo**, **I. Walk**, **B. Weinstein**, and D. Zeltzer, "Negative controls for instrumental variable designs," 2022 [working paper]
3. **A. Sasson**, S. Ogino, M. Wang, and **D.Nevo**, "The subtype-free average causal effect for heterogeneous disease etiology," *arXiv preprint arXiv:2206.00209*, 2022 [preprint]
4. **A. Baraz**, M. Chowers, **D. Nevo***, and U. Obolski*, "Stable temporal relationships as a first step towards causal inference: an application to antibiotic resistance," *Submitted, preprint: https://www.medrxiv.org/content/early/2022/01/31/2022.01.31.22270156.full.pdf*, 2022 [preprint]

METHODS AND THEORY PUBLICATIONS

1. **T. Zehavi** and **D. Nevo**, "A matching framework for truncation by death problems," *Journal of the Royal Statistical Society: Series A*, 2023, in press
2. **R. Axelrod** and **D. Nevo**, "A sensitivity analysis approach for the causal hazard ratio in randomized and observational studies," *Biometrics*, 2022, in press
3. **D. Nevo** and M. Gorfine, "Causal inference for semi-competing risks data," *Biostatistics*, vol. 23, no. 4, pp. 1115–1132, 2022
4. **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
5. **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
6. **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
7. 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
8. 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
9. **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
10. 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
11. **D. Nevo**, X. Liao, and D. Spiegelman, "Estimation and inference for the mediation proportion," *International Journal of Biostatistics*, vol. 13, no. 2, 2017

12. **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

13. **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

14. **D. Nevo** and Y. Ritov, "On Bayesian robust regression with diverging number of predictors," *Electronic Journal of Statistics*, vol. 10, no. 2, 2016

15. **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

16. **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

17. **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

* Equal contribution

Collaborative and applied Publications

1. **A. Baraz**, M. Chowers, **D. Nevo**, and U. Obolski, "The time-varying association between previous antibiotic use and antibiotic resistance," *Clinical Microbiology and Infection*, 2022, in press

2. 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*, 2022, in press

3. 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

4. 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

5. 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

6. 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

7. 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 effec-

tive in inflammatory bowel disease patients and is not associated with disease exacerbation," *Clinical Gastroenterology and Hepatology*, vol. 20, no. 6, pp. e1263–e1282, 2022

8. 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

9. 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

10. 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

11. 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

12. 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

13. 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

14. 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

15. 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

16. 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, R. Ogino, Shuji Nishihara, and X. Zhang, "Calcium intake and colon cancer risk subtypes by tumor molecular characteristics," *Cancer Causes & Control*, pp. 1–13, 2019

17. 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

18. 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. Nosho, 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

19. 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

20. 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

21. 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

22. 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

23. 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. Kip, Sertac, F. Michor, **D. Nevo**, U. Peters, A. I. Phipps, E. M. P. Poole, Z. R. Qian, J. Quackenbush, P. K. Robins, Harlan 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

24. 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

Edmond J. Safra Center-Tel Aviv Sourasky Medical Center Clinical Bioinformatics Research Grant
(PI: Nevo, Berliner, Obolski, Rosset, Shenhar-Tsarfaty) Jun 2022 - May 2024
150,000 NIS
Identifying effective antibiotic treatments through CRP dynamics

Israel Science Foundation (PI: Nevo) Oct 2021 – Sep 2025
928,000 NIS
Advances in principal stratification for truncation by death problems

Google AI for Social Good (PI: Nevo, Danieli & Zeltzer) Apr 2021 – March 2023
200,000 NIS
General Falsification Tests for Instrumental Variables

Google AI for Social Good (PI: Nevo & Obolski) Nov 2020 – Oct 2023
205,320 NIS
High resolution modeling and optimal intervention to control of the spread of Covid-19 in Israel.

Tel Aviv University Data Science Center (PI: Nevo & Obolski) Jun 2020 – May 2022
200,000 NIS
Revealing the causal effects of antibiotic treatment on antibiotic resistance in hospitalized patients.

TAU/NU call for COVID-19 joint research (PI: Nevo & Obolski) Oct 2020 – Sep 2021
85,000 NIS (25,000 US)
Drivers of differential COVID-19 spread and response to interventions in minority populations.

Students

Current PhD students: Rachel Axelrod, Tamir Zehavi, Bar Weinstein, Avi Baraz (joint with Dr. Uri Obolski, School of Public Health), Amit Sasson

Current Msc students: Karin Cohen, Eyal Noy, Itai Walk

Former 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)

Teaching experience

- Courses taught at *Tel Aviv University*: Advanced Biostatistical Methods (2018, 2019), Causal Inference (graduate level, 2019,2021,2022), Readings in Causal Inference (graduate level, 2019), Biostatistical Methods (2020), Msc Seminar in Statistics (2021,2022), Statistical Models B (2021, 2022a, 2022b)
- Teaching Assistant at *Department of Statistics, The Hebrew University of Jerusalem* 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 on *Biometrics* 2020 –

Journal reviewer for: *American Journal of Epidemiology, Annals of Statistics, Annals of Applied Statistics, Bioinformatics, Biometrical Journal, Biometrics, Biometrika, Cancer Causes & Control , Epidemiologic Methods, International Journal of Epidemiology, Journal of Computational and Graphical Statistics, Journal of Quantitative Analysis in Sports, Lifetime Data Analysis, 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

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

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

Service to scientific organization: Publicity Officer, EMR–IBS 2019–

Talks and presentations

The 3rd Conference on Lifetime Data Science (LiDS) May/June 2023
Raleigh, NC, USA
Invited talk

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 heteorgenity 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 (CMStatistics 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 Kolokotrones 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 Dec 2017
Atlanta, GA, USA
Invited talk: *Dealing with missing tumor subtype data, with application to colorectal cancer*

Joint Statistical Meetings (JSM) 2017 Aug 2017
Baltimore, MD, USA
The adaptive "learn-as-you-go" design for multi-stage intervention studies

19th Meeting of New Researchers in Statistics and Probability (IMS-NRC) Jul 2017
Johns Hopkins University, MD, USA
Poster/Flash-talk: *The adaptive "learn-as-you-go" design for multi-stage intervention studies*

Harvard University, Department of Biostatistics, Neurostatistics Seminar, May 2017
Boston, MA, USA
A unified calibration approach for the Cox model when the starting time of a time-dependent binary covariate is interval-censored

The 31st New England Statistics Symposium (NESS 2017) Apr 2017
University of Connecticut, CT, USA
Invited talk: *Calibration models for survival analysis with interval-censored exposure or treatment starting time*

Eastern North American Region (ENAR) 2017 spring meeting Mar 2017
Washington, DC, USA
Invited talk: *Dealing with missing subtypes under weak assumptions using auxiliary case covariates*

Technion, Industrial Engineering and Management Quant Seminar Dec 2016
Haifa, Israel
Identifying a minimal class of models for high-dimensional data

Haifa University, Department of Statistics Seminar Dec 2016
Haifa, Israel
Causal mediation analysis for generalized linear models

Tel Aviv University, Department of Statistics & Operations Research Seminar Dec 2016
Tel Aviv-Yafo, Israel
Causal mediation analysis for generalized linear models

The Hebrew University of Jerusalem, Statistics Department Seminar Dec 2016
Jerusalem, Israel
Causal mediation analysis for generalized linear models

Harvard University, Department of Biostatistics, Statistical methods in Epidemiology Seminar Dec 2016
Boston, MA, USA
Estimation and inference for the mediation proportion

The 28th International Biometric Conference (IBC2016) Jul 2016
Victoria, BC, Canada
1. *The competing risks Cox model with missing cause of failure and auxiliary case covariates*
2. *Poster: Inference for mediation proportion in generalized linear models*

The 3rd International Molecular Pathological Epidemiology (MPE) Meeting May 2016
Boston, MA, USA
Dealing with missing subtypes using auxiliary case covariates

Harvard University, Department of Biostatistics, Neurostatistics Seminar, Mar 2016
Boston, MA, USA
The competing risks Cox model with missing cause of failure and auxiliary case covariates: 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: Matlab, SAS (Macro authored: `subtype_weights`)
- Basic knowledge: Python, C++