Curriculum Vitae
Naomi Kaplan-Damary

Personal details

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Education

2013-2018 : PhD in Statistics, Hebrew University of Jerusalem, Prof. Micha Mandel and Dr. Yoram Yekutieli, "Statistical Methods for Evaluating Forensic Evidence"

2010-2012 : MA in Statistics, Magna Cum Laude, Hebrew University of Jerusalem, Prof. Micha Mandel

2006-2010 : BA in Statistics and Economics, Hebrew University of Jerusalem

Research Interests

Forensics, in particular the strengthening of its scientific foundations
Perception by members of the court of different forms of forensic reporting
Cognitive biases in the Justice system
Wrongful convictions
Probabilistic evaluation of evidence in trials (Forensic Statistics)

Professional Experience and Appointments

2021-	Lecturer, Institute of Criminology, Hebrew University of Jerusalem
2020-2021	Lecturer, Department of Criminology, Law and Society, University of California, Irvine
2018-	Post Doctoral Fellow in Forensic Statistics, University of California, Irvine
2017	Instructor (Madrich), Department of Statistics, Hebrew University
2015-2018	Undergraduate Student Advisor, Department of Statistics, Hebrew University
2013-2017	Assistant, Department of Statistics, Hebrew University of Jerusalem
2012	Teaching Assistant, Booth School of Business, University of Chicago
2010-2012	Teaching Assistant, Department of Statistics, Hebrew University of Jerusalem; Research Assistant for Prof. Zvi Gilula

Teaching Experience (Hebrew University unless stated otherwise)

2021	Cognitive Bias in Forensic Science
2020	Forensic Science, Law and Society (University of California, Irvine)
2017	Statistics for Communications Students, Probability for Statistics Students
2016	Advanced Statistical Models B, Probability for Statistics Students
2015	Statistical Inference and its Applications, Probability for Statistics Students
2014	Basic Probability, Preparation of Distance Learning Course (Coursera) –

	Introduction to Probability and Statistics for Computer Science
2013	Introduction to Statistics for Students of International Relations, Statistics for Communications Students, Principles and Applications in Statistical Analyses, Preparation of Distance Learning Course (Coursera) – Introduction to Probability
2012	Statistics for Business Administration, Statistical Insight into Marketing, Consulting and Entrepreneurship
2011	Basics: Probability, Data and Computers
2010	Basics: Probability, Data and Computers

Honors and Awards (including Membership in Professional Societies)

- Hebrew University President's Scholarship, 2015-2018
- Award for Outstanding Teacher, 2017-2018
- Award for Outstanding Teacher, 2015-2016
- Award for Outstanding Teacher, 2014-2015
- Award for Outstanding Teacher, 2012-2013
- Award for Outstanding Teacher, 2011-2012
- Gutwirth Award for Excellence, 2011
- Departmental Award for Excellence, 2011
- Dean's List, 2010
- Departmental Award for Outstanding Student, 2010
- Award for Outstanding Teacher, 2010-2011
- Rector's Award for Excellence, 2009

Publications

Kaplan-Damary, N., Stern, H., Hofstein-Grady, R., and Thompson, W. (2021). Using Mixture Models to Examine Group Difference Among Jurors: An Illustration Involving the Perceived Strength of Forensic Science Evidence. Law, Probability and Risk.

Wiesner, S., Kaplan-Damary, N., Eltzner, B., & Huckemann, S. (2020). Shoeprints: the path from practice to science. In D. Banks, K. Kafadar & D. Kaye (Eds.), Handbook of Forensic Statistics. London: Taylor & Francis Ltd./CRC.

Wiesner, S., Shor, Y., Tsach, T., Kaplan-Damary, N., & Yekutieli, Y. (2019). Dataset of Digitized RACs and Their Rarity Score Analysis for Strengthening Shoeprint Evidence. Journal of Forensic Sciences, 65:3, 762-774. doi:10.1111/1556-4029.14239

Kaplan-Damary, N., Mandel, M., Wiesner, S., Yekutieli, Y., Shor, Y., & Spiegelman C. (2018). Dependence among randomly acquired characteristics on shoe prints and their features. Forensic Science International, 283, 173-179.

Kaplan-Damary, N., Mandel, M., Levin, N., and Izraeli, E. (2016). Calculation of likelihood ratios for gunshot residue evidence - statistical aspects. Law, Probability and Risk, 15:2, 107-125.

Non-Academic Publications:
Kaplan Damary, Naomi, 2018 Forensic Evidence: The Path from Interpretation to Science. Crimoblog – Newsletter of the Israeli Association of Criminology and the Criminological Community in Israel 10 (2018) (editorial) In Hebrew.

Grants
Principal Investigator. Estimating the Probability of RAC Location on a Shoe Sole. CSAFE (Center for Statistics and Applications in Forensic Evidence) as part of NIST (National Institute of Standards and Technology) Grant. (2021-2024)

Other Noteworthy Activities and Skills
Presentations:
Using Mixture Models to Examine Group Differences – An Illustration Involving the Perceived Strength of Forensic Science Evidence, CSAFE Spring 2022 Webinar Series, Virtual, December 9, 2021.

Using Mixture Models to Examine Group Differences - Studying Juror Perceptions of the Strength of Forensic Science Evidence, Joint Statistical Meetings (JSM), Virtual, August 12, 2021.

Using Mixture Models to Examine Group Differences - Studying Juror Perceptions of the Strength of Forensic Science Evidence, 105th International Association for Identification (IAI) Educational Conference, Nashville, August 5, 2021.

Statistical Thinking for Forensic Practitioners (together with Hal Stern), Day-long workshop, 105th International Association for Identification (IAI) Educational Conference, Nashville, August 3, 2021.

A Step Forward in Estimating the Probability of Accidental Mark Locations on a Shoe Sole, Joint Statistical Meetings (JSM), Virtual, August 8, 2020.

Estimating the Probability of Randomly Acquired Characteristics (RACs) Locations on Shoe Sole, American Academic of Forensic Sciences (AAFS) Annual Scientific Meeting, Anaheim, CA, February 21, 2020.

Understanding the Evidence: Population Differences in the Perception of Forensic Reports, UCI-Center for Statistics and Applications in Forensic Evidence (CSAFE) Seminar, Irvine, CA, December 20, 2019.

Estimating the Probability of Accidental Mark Location on a Shoe Sole, 104th International Association for Identification (IAI) Educational Conference, Reno, August 16, 2019.

Statistical Thinking for Forensic Practitioners (together with Hal Stern), Day-long workshop, 104th International Association for Identification (IAI) Educational Conference, Reno, August 13, 2019.

Understanding the Evidence: Population Differences in the Perception of Forensic Reports, Department of Statistics, The University of Jerusalem, June 24, 2019.

Forensic footwear analysis – the location of randomly acquired characteristics (RACs), Poster Presentation, Statistical Methods in Imaging Conference, UC Irvine, June 2, 2019.
Understanding the Evidence: Population Differences in the Perception of Forensic Reports, Poster Presentation, CSAFE All Hands Meeting, May 21, 2019.

Forensic footwear analysis – the location of randomly acquired characteristics (RACs), Poster Presentation, NIST Forensics symposium, November 7, 2018.

Forensic footwear analysis – the location of randomly acquired characteristics (RACs), Poster Presentation, CSAFE All Hands Meeting, June 13, 2018.

Forensic footwear analysis – the location of randomly acquired characteristics (RACs), Poster Presentation, Conference of the Israeli Statistical Association, May 31, 2018 (Won second place)

Wrongful Convictions – Statistical Aspects, International Conference on Wrongful Convictions in Canada and Israel: Barriers to Exoneration, The Halbert Center for Canadian Studies, The Hebrew University of Jerusalem, April 24, 2018.

Statistical Methods for Evaluating Forensic Evidence: The Case of Shoe Prints, Department of Statistics and Operations Research, Tel Aviv University, March 20, 2018.

Assessing the evidential value of forensic discoveries: the contribution of statistics, Institute of Criminology, Hebrew University of Jerusalem, January 29, 2018.

Statistical Methods for Evaluating Forensic Evidence: The Case of Shoe Prints, Department of Statistics and Operations Research, Haifa University, December 20, 2017.

Questioning the Validity of Forensic Evidence. Israeli Association of Criminology Conference, May 2017.

Statistical Methods for Evaluating Forensic Evidence. Department Seminar, University of California, Irvine; Iowa State University; Carnegie Melon University; February 2017.

Shoe prints: an exploratory analysis of the relationship among accidental mark characteristics. Forensic Transition Workshop, SAMSI, May 10, 2016.

Shoe prints: The Path from Practice to Science. Forensic Group Meeting, SAMSI, March 15, 2016.

Calculation of Likelihood Ratios for Gunshot Residue Evidence – Statistical Aspects, Presentation of Poster at the Israeli Statistical Association Conference, April 2015 and at the SAMSI forensics workshop, August 2015.

Coordination of Conference Sessions:
Addressing Individual Variation to Improve the Analysis of Forensic Evidence, Joint Statistical Meetings (JSM), Virtual, August 12, 2021.

Strengthening Forensic Science: The Contribution of Statistics, Joint Statistical Meetings (JSM), Virtual, August 8, 2020.

Forensics Seminar, monthly seminar, 2019-2020, Department of Statistics, University of California, Irvine. Includes university statisticians, computer scientists, and criminologists.

Forum of Young Statisticians (co-coordinator), Tel Aviv University, sponsored by the Israeli Statistical Association, February 2018.

Forensics Seminar, year-long, biweekly seminar, 2017-2018, Department of Statistics, Hebrew University of Jerusalem. Includes university faculty, crime lab experts, judges, lawyers and criminologists.

Scientific Evidence - Admissibility and Weight, Israeli Association of Criminology Conference, May 2017 (included as participants Supreme Court Justice Neal Hendel, Dr. Anat Horowitz, Dr. Benjamin Blum)

Service:
Membership in three Scientific & Technical Review Panels for OSAC (Organization of Scientific Area Committees for Forensic Science - a division of the National Institute of Standards and Technology), with the responsibility of providing an independent technical review of drafted forensic science standards in the following areas:

- Standard Practice for the Analysis of Organic Gunshot Residue (OGSR) by *Gas Chromatography– Mass Spectrometry (GC-MS)*
- Standard Practice for the Analysis of Organic Gunshot Residue (OGSR) by *Liquid Chromatography – Mass Spectrometry (LC-MS)*
- Standards for Construction of Multilocus Databases (wildlife)

Division of Identification and Forensic Science, Israel Police Headquarters
Volunteer providing assistance in strengthening the scientific foundations of shoe print comparison, 2013-2018