Liron I. Karpati

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EDUCATION

PhD., Statistics, 2024-Present
- Rutgers University

B.S., Mathematics (summa cum laude; honors in mathematics), 2024
- University of Maryland, College Park
- Minors: Computer Science; Philosophy
- Study abroad: Hebrew University of Jerusalem, 2022-2023

ACADEMIC EXPERIENCE

Teaching Assistant (full-time), **Rutgers University**, 2024-present
- Basic Statistics for Research (Fall 2024)

Research Assistant, University of Maryland, 2022 – Present
- Modeled the endgame of basketball as a competitive Markov decision process
- Designed and implemented algorithm for finding optimal strategies and recommending decisions
- Used play-by-play data from the NBA API to compare model recommendation to what teams did

Research Assistant, DIMACS REU, 2022
- Studied the discrete Ricci curvature of neural connectomes
- Developed the notion of a curvature path motif and discovered motif in the C. Elegans connectome

Tutor, 2020 – 2022
- Private tutor in algebra, discrete mathematics, calculus, differential equations, and algorithms
- Volunteer mathematics tutor for Scientific Minds of America (2020)

ACADEMIC SCHOLARSHIPS, AWARDS, & SUMMER SCHOOLS

SIPTA School 2024 Grant, Society for Imprecise Probabilities: Theories and Applications, 2024
Milton Abramowitz Memorial Prize in Mathematics, University of Maryland, 2024
Spring in Jerusalem Honors Program Scholarship, Hebrew University of Jerusalem, 2023
Merit Scholarship, Hebrew University of Jerusalem, 2022-2023
Helyn B. Reich Memorial Scholarship, AZM, 2022-2023
Dean's Scholarship, University of Maryland, 2020-2021

PROFESSIONAL DEVELOPMENT

SIPTA School on Imprecise Probabilities, Ghent University**, Belgium, 2024
Summer School in Logic and Formal Epistemology, Carnegie Mellon University, Pittsburgh, PA, 2024

LANGUAGES SPOKEN

English (Native)**, Hebrew (Intermediate+)**, Hungarian (Intermediate)**, French (Beginner+)

CONFERENCES AND WORKS IN PROGRESS

Karpati, L. I., Rubinstein, Y. (in progress). To foul or not to foul. [working title]

Glazer, S., Torres, C. V., **Karpati, L. I.**, & Bean, C. (in progress). A multi-sample, cross-cultural validation of the Glazer Meaningfulness in Life measure. [working title].

Glazer, S., **Karpati, L. I.,** Torres, C. V., & Bean, C. (2024, April). One who has meaningfulness in life can bear almost any stressors. In M. Fila (Chair), Advancing new approaches to appraisal. Symposium presentation at The 39th Annual Conference of the Society for Industrial and Organizational Psychology, Chicago, IL.

Glazer, S., Torres, C. V., Bean, C., & **Karpati, L. I.** (2023, August). Meaningfulness in Life (MIL) reframes stressors to mitigate strains: Validation of Glazer MIL Scale. In S. Glazer (Chair), *Cross-cultural studies validating new measures and new frameworks associated with stressor appraisals*. Symposium session presented at the 27th Regional Conference of the International Association for Cross-Cultural Psychology, Limerick, Ireland.