MICHAEL PINUS, Ph.D.

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Experienced computational social scientist, with a background in statistics, programming, teaching, and as a clinical psychologist. I have vast experience working in, and leading, research teams in developing models to explain and predict behavior. I am a resourceful troubleshooter and a critical thinker, seeking a data-science position, where my curiosity and data-driven approach would be impactful.

Skills

Statistics & Machine learning	R & Python	Soft Skills
Linear Mixed Models • Structural Equation Modeling • Social Network Analysis • Logistic Regression • Bayesian Computation Modeling • NLP • Reinforcement Learning • Experiment design	Base R • tidyverse • ggplot2 • Rmarkdown/Quarto • Shiny • Jupyter • pandas • dlatk **Misc. / Programing** Git • JavaScript • SQL	End-to-end problem-solving • Attention to detail • Fast learning • Multitasking • Adaptive and audience-oriented communication.

Experience

Harvard Business School
Post-doctoral Fellow (2020 – Present)
Managed parallel, long-term research objectives, and developed models to explore and explain emotion regulation, loneliness, and quality of online conversation. Employed experimental and large-scale naturalistic designs (e.g., 400K Twitter conversations), survey development, NLP modeling, and computational models of behavior. Collaborated with colleagues and stakeholders from academia (e.g., Yale, Stanford, Princeton) and industry (e.g., Twitter).

Bar-Ilan University
Data Scientist, Gilboa-Schechtman Lab (2021-Present)
Led end-to-end research program on small-world social networks of social anxiety and PTSD symptoms. Mentored undergraduate and graduate-level research projects.

Zgmund
Head of Research (2020 – 2022)
Led product and clinical research. Developed therapeutic models for an AI support group facilitator, leading to positive results in 76% of users, and reducing customer attrition by 30%.

Education

Ben Gurion University of the Negev – Ph.D., Psychology, 2015-2020
Thesis: "Indirect Assessment of Beliefs About the Self: Implicit Self-Criticism". Advisors: Golan Shahar and Yoav Bar-Anan. **Faculty of Humanities and Social Sciences Award winner.**

Ben Gurion University of the Negev – M.A., Clinical Psychology, 2012-2015
Summa cum laude. GPA: 92. Thesis: "Fragile High Self-Esteem and Social Feedback: A Tyranny of Positive Self-Regard" Advisors: Golan Shahar and Yoav Bar-Anan. **Psych. Department Award winner.**

The Hebrew University of Jerusalem - B.A., Psychology and Amirim, 2009-2012
Magna cum laude. GPA: 92. Dean's list. **Ayala Zacks-Abramov Award winner.**

Teaching

Achva Academic College - Experimental Psychology, Multivariate Analysis Models – ANOVA
Haredi College – Jerusalem - Theories of Personality, Multivariate Analysis Models – Regression
Sapir College - Abnormal Psychology for M.A. Students
Ben-Gurion University - Experimental Psychology (TA), Introduction to Statistical Inference (TA)

Selected Published and in Preparation Work

Schiller, M., **Pinus, M**., Hammen, C. C., & Shahar, G. (2019). Effects of Psychological Distress and Exposure to Terror-Related Stress on the Self in Emerging Adulthood. *International Journal of Cognitive Therapy*, *12*(4), 242–259. https://doi.org/10/ggdfs9

*****Pinus M.**, *Fratamico L., Lehmann S., Wood-Brooks A., & Goldenberg A., Lovebirds: Identifying online conversations that lead to mutual following, *in prep*.

*****Pinus M.**, *Azoulay R., Gilboa-Schechtman, E., Gender differences in the symptoms' network of social anxiety – an evolutionary psychology perspective, *in prep*.