

Avi Gamoran

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Education

Ben Gurion University of the Negev

2015-2018

- BSc Psychology-Biology

2018-2020

- MA Cognitive Psychology
- Advisors: Dr. Talya Sadeh, Dr. Michael Gilead
- Thesis title: [The pattern of forgetting exhibited in contextual information](#)

2020-

- PhD Psychology
- Advisors: Dr. Talya Sadeh, Dr. Michael Gilead
- Thesis title: The Language of Memory – Studying Human Memory and Cognition with Natural Language Processing

Professional Experience

Research Assistant | 2016 – 2017

Effects of Graphic organization on integrative learning from multiple sources. PI: Dr. Eli Kozmynski, Department of Education, Ben Gurion University of the Negev

Research Consultant | 2020 -

Data analysis & Machine learning in mental health & wellness apps. GGtude Ltd.

Teaching Experience

Current Topics in Cognitive Sciences (BA level) | 2019 – 2020

Teaching Assistant, Department of Cognitive Sciences, Ben Gurion University of the Negev

Cognitive Psychology (BA level) | 2020

Teaching Assistant, Department of Psychology, Ben Gurion University of the Negev

Introduction to Data Science (BA level) | 2022 -

Teaching Assistant, Department of Statistics & Data Analysis, Ben Gurion University of the Negev

Publications

Published

Gamoran, A., & Doron, G. (2023). Effectiveness of brief daily training using a mobile app in reducing obsessive compulsive disorder (OCD) symptoms: Examining real world data of “OCD. app-Anxiety, mood & sleep”. *Journal of Obsessive-Compulsive and Related Disorders*, 36, 100782.

Gamoran, A., Kaplan, Y., Simchon, A., & Gilead, M. (2021, June). Using psychologically-informed priors for suicide prediction in the CLPsych 2021 shared task. In *Proceedings of the Seventh Workshop on Computational Linguistics and Clinical Psychology: Improving Access* (pp. 103-109).

Gamoran, A., Greenwald-Levin, M., Siton, S., Halunga, D., & Sadeh, T. (2020). It's about time: Delay-dependent forgetting of item-and contextual-information. *Cognition*, 205, 104437.

Under Review

Gamoran, A., Lieberman, L., Gilead, M., Dobbins, I., & Sadeh, T. (*Submitted*). How do we evaluate others' memories? A behavioral and natural language processing study. <https://psyarxiv.com/et5gi>

Gamoran, A., Brunstein-klomek, A., & Doron, G. (*Submitted*). Can a Mobile Game-like Intervention Help Women with Anxiety and Depression? Examining real world data of ‘OCD. app-Anxiety, Mood & Sleep’. <https://www.researchsquare.com/article/rs-2668691/v1>

Gamoran, A., Gilead M., & Sadeh, T. (*Submitted*). Why we remember now and later: examining memory justifications over time.

Raz, I., **Gamoran, A.,** Nir-Cohen, G., Trzewik, M., Salti, M., Sadeh, T., & Gilead, M. (*Submitted*). The future, before and after: Bayesian and multivariate analyses reveal shared and unique neural mechanisms of imagining and remembering the same unique event

In Preparation

Gamoran, A., Gilead M., & Sadeh, T. (*In preparation*). Is this the real life? The Language of Reality Monitoring

Gamoran, A., Hadar B., & Gilead M., (*In preparation*). The effects of distancing on linguistic abstraction: a large scale, pre-registered experimental investigation.

Software developments & Tools

R Packages on GitHub

Gamoran, A. (2022). Dictionorm: An easy to use text analysis tool with psychological norms dictionaries.

Hugging Face Models

Gamoran, A. (2022). Classifiers of psychological distance (Social, Spatial, Temporal).

Misc.

Gamoran, A. (2021). [Nuance-Saurus, A Shiny App of a nuanced thesaurus using word embeddings.](#)

Gamoran, A. (2022). [Google Colab Demo for psychological distance classifiers.](#)

Invited Talks

Gamoran, A. (2019, December). *Memory & Forgetting: a (very) brief intro.* Invited talk at Neuroplasticity course, Ben Gurion University of the Negev, Beer Sheva, Israel.

Gamoran, A. (2021, July). *Language Models In psychological research: Suicide Prediction & Reality Monitoring.* Invited talk at Computational models in Social Learning Seminar, Haifa University, Haifa, Israel.

Gamoran, A. (2022, July). *Is this the real life? Studying Reality Monitoring through Linguistic Analysis.* Invited talk at the Social Psychology Lab Workshop, Tel Aviv University, Tel Aviv, Israel.

Gamoran, A. (2022, November). *Is this the real life? Studying Reality Monitoring through Linguistic Analysis.* Invited talk at Psychological Data Science Seminar, Ben Gurion University of the Negev, Beer Sheva, Israel.

Gamoran, A. (2022, November). *Episodic Memory, Constructive Episodic Simulation and Reality Monitoring.* Invited talk at Memory Processes and Impairments course, Ben Gurion University of the Negev, Beer Sheva, Israel.

Gamoran, A. (2023, June). *Intro to Natural Language Processing in R.* Invited talk at - Data Science Lab for Psychologists course, Tel Aviv University, Tel Aviv, Israel.

Conference Presentations

Gamoran, A., Gilead M. and Sadeh T. (2020, February). *How does context memory decline over time?* Poster at The Israeli Conference on Cognition Research (ISCOP), Akko, Israel.

Gamoran, A., Greenwald-Levin, M., Siton, S., Halunga, D., and Sadeh T. (2021, March). *It's about Time: Delay-Dependent Forgetting of Item- and Contextual-Information* Virtual Poster at The Cognitive Neuroscience Society (CNS) Annual Meeting, Virtual Conference.

Gamoran, A., Kaplan, Y., Simchon, A., & Gilead, M. (2021, June). *Using psychologically-informed priors for suicide prediction in the CLPsych 2021 shared task*. Recorded talk at CLPsych 2021 workshop, Virtual Conference.

Gamoran, A., Gilead M. and Sadeh T. (2021, August). *All-or-none forgetting of internal context?* Poster at Context and Episodic Memory Symposium (CEMS), Philadelphia, PA.

Gamoran, A., Gilead M. and Sadeh T. (2021, September). *Is this the real life? Is this just fantasy? Studying Reality Monitoring through Linguistic Analysis*. Talk at The Israeli Social Psychology Grad-students Conference., Virtual Conference.

Raz, I., **Gamoran, A.**, Nir-Cohen, G., Trzewik, M., Salti, M., Sadeh, T., & Gilead, M. (2022, December). *The future, before and after*. Poster at 4th Brainy Days in Jerusalem, Jerusalem, Israel.

Gamoran, A., Sadeh T. and Gilead M. (2023, February). *Is this the real life? The language of Reality Monitoring*. Talk at The Israeli Conference on Cognition Research (ISCOP), Akko, Israel.

Gamoran, A., Gilead M. and Sadeh T. (2023, February). *How do we evaluate others' memories? A behavioral and natural language processing study*. Poster at The Israeli Conference on Cognition Research (ISCOP), Akko, Israel.

Gamoran, A., Sadeh T. and Gilead M. (2023, July). *Is this the real life? The language of Reality Monitoring*. Poster at the 9th International Conference on Computational Social Science (IC2S2), Copenhagen, Denmark.

Scholarships and rewards

Ben Gurion University | 2015
[Zlotowski Admission Prize.](#)

Faculty of Humanities and Social Sciences, Ben Gurion University | 2020
[Faculty Scholarship For PhD studies.](#)

Negev Doctoral Fellowship, Ben Gurion University | 2021
[Negev ongoing outstanding students fellowship, Kreitman School of Advanced Graduate Studies.](#)

Skills

Languages: English & Hebrew (Native speaker)

Programming: R, MATLAB, Python.

Non-Academic experience

Yeshiva Studies | 2010 – 2012, 2014 – 2015

Yeshivat HaHesder Yerucham.

IDF Infantry GI & Snipers' Staff Sargent | 2012 – 2014

Basic & advanced training and active tour of duty. Staff-Sargent Training course & Sniper's training course. Haruv Battalion, Kfir Brigade, IDF Infantry.

Volunteering Coordinator | 2011-2012, 2014-2015

Coordination of volunteer educational activities in local public school. "Kol Yaakov" & "Meuchad" elementary schools, Yerucham.

English tutor | 2017

Online tutoring for small groups of students. "Nachshon" program, Department of Education.

Statistics tutor | 2017 – 2018

Private lessons in courses: Intro. to Statistics, Regression & Multi Variables Analysis, Experimental Psychology. Lessons for students with learning disabilities or of minority groups. Dean of students, Ben Gurion University of the Negev.