

Daniil Azarov

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EDUCATION

Ph.D. Psychology / *Indiana University*

2024 – Present

Bloomington, IN, USA. GPA: 3.96

M.S. Applied Statistics / *Indiana University*

2025 – Present

Bloomington, IN, USA. GPA: 3.96

B.S. Psychology with Honors / *Higher School of Economics*

2020 – 2024

Moscow, Russia. GPA: 8.66 / 10

EXPERIENCE

Graduate Student / *Indiana University*

Aug 2024 – Present

Research Assistant / *Higher School of Economics*

2021 – 2024

SKILLS

Programming Languages

- R
- Python
- JavaScript (jsPsych)

Software

- RStudio
- VSCode
- PsychoPy

Data Analysis

- Statistical testing and inference
- Computational modelling (simulation, model comparison, optimization)
- Machine learning (supervised learning)

PUBLICATIONS

Journal Articles

- **Azarov, D.**, Sanborn, A. N., Chater, N., Goldstone, R. L. Reducing the Sampling Dependency Between Visual Numerosity Estimates Improves Aggregated Estimation Accuracy. (Paper in progress).
- Utochkin, I., **Azarov, D.**, & Grigorev, D. (2025). Invariant recognition memory spaces for real-world objects revealed with signal-detection analysis. *Psychological Science*. (In Press).
- **Azarov, D.**, Grigorev, D., & Utochkin, I. (2024). A signal-detection account of item-based and ensemble-based visual change detection: A reply to Harrison, McMaster, and Bays. *Journal of Vision*, 24(2), 10-10.

Bachelor Course Papers

- **Azarov, D.**, Utochkin, I., Lyusin, D. (2024). Dissociation between the Mnemonic Trace and Test Item Similarity in Recognition Memory Using Signal-Detection Theory. (Bachelor Thesis).
- **Azarov, D.**, Pavlova, A. (2023) Lexical Access in Between-Languages Interaction. (3rd - year paper).
- **Azarov, D.**, Utochkin, I. (2022). Adaptation Aftereffects in Visual Ensemble Perception. (2nd - year paper).

TEACHING

Teaching Assistant for "Cognitive Psychology" course / *Indiana University*

Aug 2024 – Present

Teaching Assistant for "Psychology and neurophysiology of perception, attention" course / *Higher School of Economics*

Sep 2023 – Dec 2023

Lecturer at the Spring Psychological School / *Higher School of Economics*

Mar 2023

PRESENTATIONS

Oral Presentations

- **Indiana University**, Bloomington, IN, USA. Highly invariant recognition memory spaces for real-world objects revealed with signal-detection analysis; 2024.
- **Higher School of Economics**, Moscow, Russia. Dissociation between the mnemonic trace and test item similarity in recognition memory using signal-detection theory; 2024.
- **Spring Psychological School**, Higher School of Economics, Moscow, Russia. Why do we see what is not there? Perceptual adaptation; 2023.
- **Higher School of Economics**, Moscow, Russia. Memory for ensemble statistics facilitates visual change detection; 2021.

Poster Presentations

- **Psychonomic Society**, Denver, Colorado, USA. Reducing the Sampling Dependency Between Visual Numerosity Estimates Improves Aggregated Estimation Accuracy; 2025, November.
- **Vision Sciences Society**, St. Pete Beach, Florida, USA. Reducing the Sampling Dependency Between Visual Numerosity Estimates Improves Aggregated Estimation Accuracy; 2025.
- **Higher School of Economics**, Moscow, Russia. Lexical access in between-languages interaction; 2023.
- **Karl Duncker Summer Cognitive School**, RANEPa, Moscow, Russia. Adaptation to a highly and barely variable ensembles causes the opposite effects; 2022.

VOLUNTEERING

Volunteer at Vision Sciences Society

2025

FUNDING

Third Century Fellowship in Psychology and Brain Sciences 2025

Richard C. and Rita L. Atkinson Fellowship 2025

Travel Grant for the Karl Duncker Summer Cognitive School, RANEPa 2022

Higher School of Economics Academic Merit-Based Scholarship 2020 – 2024

National Full-Tuition Merit-Based Scholarship
2020 – 2024

PROFESSIONAL MEMBERSHIP

Vision Sciences Society 2025

Psychonomic Society 2025