

Dr. Gregory Chernov

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Personal page

Linkedin

London, UK, May 2025

ABOUT ME

I am a behavioral scientist with expertise in game theory, experimental economics (including neuroeconomics), and probabilistic inference, backed by 8+ years of research experience. I also have consulting experience in assessment, placement, and retail and am passionate about advancing applied Behavioral Science.

WORKING SKILLS

- **Causal and probabilistic inference:** Randomisation inference, AB-tests, ML-based estimation (X-Learner, Balancing), Interpretable ML (Shapley values, logistic regression), Structural estimation (IRT, Time-series, Monte-Carlo Sampling, etc.)
- **Behavioral research:** Lab experiments, Psychometric and interview, Eye-tracking and Neuroimaging.
- **Programming and Tools:** Python (Pandas, Dowhy, Numba), \LaTeX , R, JS, SQL, web-frameworks and tools (Django, Starlette, Heroku, Jekyll, ORSEE, oTree).

EXPERIENCE

UCL Experimental Laboratory for Finance and Economics

London, UK

Research Fellow/Laboratory Manager (100%)

May 2024 – May 2025

- Established unique synchronized real-time communication between 10 eye trackers and the experimental server (Weblink + oTree) ◦ Organized a pipeline for conducting and hosting experiments, including: Restored 21% of laboratory infrastructure and workstation capacity ◦ Expanded the participant database from 90 to 1,500 active users ◦ Reduced experiment deployment and setup time by 50% ◦ Fully automating and digitizing the payment process ◦ Implemented a round-robin recruitment procedure, sufficiently reducing participant idle time.

MPI for Biological Cybernetics

Tübingen, Germany

Guest Researcher (50%)

Jun 2023 – Mar. 2024

- Organized a unique pipeline integrating experimental software and equipment (NaClModule, PsychoJS, jsPsychHardware), enabling data collection from 50+ fMRI participants and 300 online participants within the same environment.

HSE in St. Petersburg, Center for Market Studies and Spatial Economics

Remote

Postdoctoral Research Fellow (50%)

Apr 2022 – Dec. 2023

- Established industry-university cooperation, attracting major partners from retail, geomarketing, and strategic consulting, leading to signed agreements with the university.

Uni Tübingen, Department of Computer Science

Tübingen, Germany

Guest Researcher (50%)

Apr 2022 – Jan 2023

- Wrote a platform to help analyse the identification of structural learning patterns through Monte Carlo simulations of player behaviour (numba,scipy) resulting to optimized computation time from 3.5 months to just a few hours.

HSE Laboratory for Experimental and Behavioural Economics

Moscow, Russia

Research Assistant (100%)

Jan 2016 – Feb 2022

- Designed and assisted more than 20 field and laboratory experiments (3k+ observations) ◦ Created 20+ web applications for experiments which were hosted and maintained on heroku servers (Jango; Starlette) ◦ Supervised 5 student research projects (Ba/Ma/PhD thesis); Raised 50k\$+ of funds.

EDUCATION

Ph.D. in Economics

Thesis: *Models of learning in economic experiments (eng)*

Higher School of Economics (HSE)

Nov 2016 – Oct 2022

M.Sc. in Financial Management

Novosibirsk State University (NSU)

B.Sc. in Management

Sep 2014 – Aug 2016

Sep 2010 – Aug 2014

LANGUAGES

◦ English – C1

◦ German – A1

◦ Russian – native