Arseniy Stolyarov

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Research Interests

Industrial organization; economics of media and platforms; empirical auctions; applied IO/policy; sports economics.

Education

University of Wisconsin–Madison 2019–present
Ph.D. in Economics (expected 2026)
Major Field: Industrial Organization; Minor: Econometrics

New Economic School (NES) 2016–2018
M.A. in Economics *Moscow*
Full tuition; Cum Laude; ranked among top-5 students

Higher School of Economics (ICEF) 2011–2015
B.Sc. in Economics *Moscow*
Average grade 9/10; ranked among top-10 students

Working Papers & Research in Progress

Echo Chambers in the Free Market for News: Evidence from Telegram — Job Market Paper (in progress).

This paper studies the formation of echo chambers on social media in the absence of algorithmic recommendation. Using high-frequency data on millions of posts from hundreds of major political Telegram channels in Russian during 2022–2024, I document how forwarding networks and subscriber flows endogenously generate clustered communities. I show that echo chambers can arise even without platform recommendation systems: reciprocal forwarding and selective attention on the demand side are sufficient to segment the news market. To complement the reduced-form evidence, I develop a simulation model demonstrating that demand-driven mechanisms alone can replicate the observed clustering patterns.

Other Research in Progress:

Why Don't Babies Drill Enough? Evidence of Spatial Correlation Effects on R&D in the Gulf of Mexico. We estimate a spatial model of oil and gas exploration in the Gulf of Mexico (R–INLA/SPDE) and show that firms' decisions to acquire tracts and drill exploratory wells depend strongly on activity in neighboring areas.

Testing the IPV Hypothesis in Oregon Timber Auctions. We develop a small-sample parametric test leveraging exogenous rival mill-to-tract distances; in Oregon Department of Forestry data, the test rejects IPV in favor of common-value components.

Are All Points Created Equal? Evidence from Professional Tennis. We show that points within a tennis service game are strategically heterogeneous: players adjust serve speed and accuracy in line with incentives, serving faster and with greater accuracy when the marginal effect on winning probability is greatest, and serving slower with less focus when points are less pivotal.

Research-Related Consulting

Sports Scheduling Projects (with Dmitriy Dagaev and Gleb Vasiliev) — 2019–present. Co-

developed an algorithm to construct season schedules for professional soccer leagues, incorporating climate constraints, club and municipal preferences, national team calendars, and fairness criteria (e.g., minimizing carry-over effects).

- 2019–present: Russian Premier League (First Tier).
- 2023–present: Football National League (FNL, Second Tier, Russia).
- 2024: Second-tier league in another CIS country.

Referee Assignment System for Russian Football Leagues — 2020–2021. Designed a nationwide referee assignment system across all tiers of Russian professional football. The system was based on the Deferred Acceptance Algorithm (DAA) and incorporated logistical constraints, referee rotation, and gradual integration of younger referees into high-stakes matches.

Player Evaluation System for a Russian Premier League Club — 2022. Developed a system to assess young players' potential and market value. The project had two components: (i) dynamic modeling of player valuation based on performance parameters at different ages, and (ii) state-transition modeling of player development. The tool was designed to support managerial decisions in roster planning and talent management.

Other Employment

La Follette School of Public Affairs, University of Wisconsin–Madison — Research Assistant, 2024–present (with Prof. Héctor Pifarré i Arolas). Supporting projects in applied economics and demography.

Laboratory of Sports Economics, Higher School of Economics — Researcher, 2018–2020. Led an academic research group focusing on sports analytics projects.

Roland Berger Strategy Partners — Intern / Junior Consultant, 2015–2016. Contributed to strategy and restructuring projects in truck manufacturing and heavy industry.

Teaching Experience

University of Wisconsin–Madison Prelim Microeconomics TA, 2021–2024 — led review sessions and exam preparation for PhD students. Teaching Assistant in Microeconomics (2020–2023), including undergraduate (ECON 468) and graduate courses (ECON 701, 708, 713). *Best TA Award*, 2021 (remote) and 2022 (in-person).

Tyumen State University, School of Advanced Studies Instructor: Behavioral Economics (Undergraduate elective), Spring 2019.

New Economic School (NES) Teaching Assistant in Microeconomics and Industrial Organization (2016–2019). *Best TA Award*, 2017–2018.

Higher School of Economics (ICEF) Teaching Assistant in Microeconomics and Statistics (2016–2019).

Conference Presentations (Selected)

HSE International Academic Conference on Economic and Social Development (Moscow, 2025) — *Why Don't Babies Drill Enough? Evidence of Spatial Correlation Effects on R&D in the Gulf of Mexico.*

CRSA Sports, Data, and Journalism (Zurich, 2018) — *Thirst for Glory: Are Players Motivated by Milestones?*

Economics of Football (Kazan 2017; Moscow 2018) — *Search for the Complete and Transitive Ranking of Football Leagues.*

NES Research Conference (Moscow, 2018) — *Experimental Evidence of History-Dependent Over-*

confidence.
HSE Intl. Conf. on Economic and Social Development (Moscow, 2018).

Skills

Programming: R, Python, Stata.
Languages: Russian (native), English (fluent; IELTS 8/9), French (DELF B2).

Updated: September 14, 2025. Available upon request: research statements, teaching evaluations, references.