

# DMITRY DAGAEV

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## EDUCATION

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### **Candidate of Sciences in Mathematics**

*May, 2011*

Lomonosov Moscow State University

Department of Mathematics and Mechanics

Specialization: Discrete Mathematics and Mathematical Cybernetics

### **M.A. in Economics**

*June, 2008*

New Economic School

Specializations: Microeconomics, Finance

### **M.Sc. (Diploma) in Mathematics**

*June, 2006*

Lomonosov Moscow State University

Department of Mathematics and Mechanics

Diploma with distinction

## WORK EXPERIENCE

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### **Higher School of Economics**

*June, 2018 - present*

*Head of Laboratory of Sports Studies*

- Research projects coordination
- Chair of the Research seminar

### **Higher School of Economics**

*April, 2013 - present*

*Deputy Vice-Rector*

- Development and implementation of evaluation of researchers' publication activity mechanism
- A member of scientific commission of HSE Academic Council
- A member of Visiting Scholars commission
- A member of Student Initiative Support Fund

### **Higher School of Economics**

*September, 2010 - present*

*Assistant Professor, Department of Higher Mathematics*

- Massive open online course 'Game Theory' on Coursera (started in 2015, more than 24000 registered students)
- Teaching (lectures and seminars): 'Calculus', 'Discrete Mathematics', 'Game Theory', 'Mathematical Models of Political Economy', 'Economic and Political Risks Modelling'.

### **Olympic movement for college students**

- All-Russian Olympiad in Economics – Jury member (since 2010).
- HSE Olympiad in Economics – Jury member (2010-2017), Head of Authors committee (2015 – 2017).
- NES (New Economic School) Olympiad in Economics – Jury member (2010-2014) and Head of Organizing committee (2011-2012)
- Various Mathematical Olympiads – Jury member in 2000s.

## RESEARCH PAPERS

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### Sports Economics and Operations Research in Sports

- Dagaev D., Suzdaltsev A. (2018) Competitive Intensity and Quality Maximizing Seedings in Knock-Out Tournaments. *Journal of Combinatorial Optimization*, Vol. 35. No. 1. P. 170-188.  
<http://doi.org/10.1007/s10878-017-0164-7>
- Dagaev D., Sonin K. (2017) Winning by Losing: Incentive Incompatibility in Multiple Qualifiers, *Journal of Sports Economics*, <http://doi.org/10.1177/1527002517704022>
- Dagaev D., Rudyak V. Yu. Seeding the Champions League Participants: Evaluation of the Reform / Working papers by NRU Higher School of Economics. Series WP BRP 'Economics/EC'. 2016. No. WP BRP 129/EC/2016.
- Dagaev D., Zubanov A. Round-Robin Tournaments with Limited Resources / Working papers by NRU Higher School of Economics. Series WP BRP 'Economics/EC'. 2017. No. WP BRP 171/EC/2017.

### Discrete Mathematics

- Дагаев Д.А. О сложности функций трехзначной логики, принимающих два значения // В кн.: Математические вопросы кибернетики Вып. 18. М. : Физматлит, 2013. С. 35-122.
- Dagaev, D. Behavior of the Shannon Function for Some Families of Classes of Three-Valued Logic Functions // *Moscow University Mathematics Bulletin*. 2012. **67**, №4. P. 182-184.
- Dagaev, D. Complexity of Functions from Some Classes of Three-Valued Logic // *Moscow University Mathematics Bulletin*. 2011. **66**, №3. P. 133-135.
- Dagaev, D. The Complexity of Pseudo-Linear Functions // *Moscow University Mathematics Bulletin*. 2010. **65**, №2. P. 88-91.

### Political Economy

- Dagaev D., Lamberova N., Sobolev A., Sonin K. Technological Foundations of Political Instability / Working papers by Centre for Economic Policy Research. Series ISSN 0265-8003 'Centre for Economic Policy Research Discussion Paper Series'. 2013. №. 9787.

## PROFILES AT ACADEMIC RESOURCES

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HSE	<a href="http://www.hse.ru/staff/ddagaev">http://www.hse.ru/staff/ddagaev</a>
SSRN	<a href="http://papers.ssrn.com/sol3/cf_dev/AbsByAuth.cfm?per_id=2006756">http://papers.ssrn.com/sol3/cf_dev/AbsByAuth.cfm?per_id=2006756</a>
RePEc	<a href="http://ideas.repec.org/f/pda621.html">http://ideas.repec.org/f/pda621.html</a>

## MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS

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European Economic Association  
European Sport Economics Association

## LANGUAGES

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Russian	Mother tongue
English	Upper-Intermediate (TOEFL CBT Score = 237)
French	Basic