

# POLINA BORISOVA

75014, Paris, France

48 Bd Jourdan

Bâtiment Oikos, bureau R6-58

[polina.borisova@psemail.eu](mailto:polina.borisova@psemail.eu)

## EDUCATION

---

<b>Ph.D. program</b> Paris School of Economics, Paris, France	2022 – current time
<b>Master's Program "Analysis and Policy in Economics"</b> Paris School of Economics, Paris, France, (graduated with Highest honors)	2021 – 2022 GPA: 17.09/20
<b>Master's Program "Economics: Research Program"</b> Higher School of Economics, Moscow, Russia	2020 – 2022 GPA: 9.16/10
<b>Bachelor's Program "Mathematics"</b> Higher School of Economics, Moscow, Russia, (graduated with honors)	2015 – 2019 GPA: 9.41/10

## WORK EXPERIENCE

---

<b>Junior researcher</b> International Laboratory of Algebraic Topology and Its Applications, HSE	August 2019 – October 2020 Moscow, Russia
<ul style="list-style-type: none"><li>• MRI Data Processing</li><li>• Using the method of combinatorial Laplacians to identify differences in the brains of patients with Alzheimer's disease and healthy ones</li></ul>	

## TEACHING EXPERIENCE

---

<b>Teaching assistant</b> Higher School of Economics	September 2017 – current time Moscow, Russia
<ul style="list-style-type: none"><li>• Faculty of Economics: Microeconomics: Applications</li><li>• Faculty of Mathematics: Algebra, Calculus I, Calculus II, Differential Equations</li><li>• Faculty of Biology and Biotechnology: Calculus I</li><li>• Independent University of Moscow: Calculus I</li></ul>	
<b>Teacher</b> School №1368	December 2016 – June 2017 Moscow, Russia
<ul style="list-style-type: none"><li>• Preparing students for mathematical Olympiads</li></ul>	

## CONFERENCES WHERE I PERFORMED

---

<b>Conference "Dynamic in Siberia"</b> Sobolev Institute of Mathematics	February 2019 Novosibirsk, Russia
<b>Educational conference "Mathematical Spring 2019"</b> Higher School of Economics	May 2019 Nizhny Novgorod, Russia

## PARTICIPATION IN SCHOOLS

---

<b>The I.S.E.O. Summer School</b> I.S.E.O. Institute	June 2021 Brescia, Italy
<b>Virtual Summer School on Socioeconomic Inequality</b> University of Chicago	June 2021
<b>Winter School on Integrable Systems and Representation Theory</b> University of Bologna	January 2020 Bologna, Italy
<b>School and International Conference on Geometry and Quantization</b> National Tsing Hua University	September 2019 Taiwan

## Summer School "Algebraic Topology"

Gulbenkian Foundation

July 2017

Lisbon, Portugal

## International summer school "Modern mathematics"

Jacobs University

June 2017

Bremen, Germany

## PUBLICATIONS

---

### "Separation of Variables for Type $D_n$ Hitchin Systems on Hyperelliptic Curves"

Russian Mathematical Surveys, <https://doi.org/10.4213/rm9935>. arXiv:1902.07700

In collaboration with Sheinman, O.K. "Hitchin Systems on Hyperelliptic Curves"

Proc. Steklov Inst. Math. 311, 22–35 (2020). <https://doi.org/10.1134/S0081543820060036>

## GRANTS, SCHOLARSHIPS, ACHIEVEMENTS

---

### Scholarship for Master's students

2021-2022

Vladimir Potanin's Foundation

### Eiffel Scholarship

2021-2022

Campus France

### Travel grant, University of Bologna

2020

Winter School on Integrable Systems and Representation Theory

Bologna, Italy

### Travel grant, Basis foundation

2019

School and International Conference on Geometry and Quantization

Taiwan

### Golden HSE Awards, category "Silver Nestling"

2019

Higher School of Economics, Nomination

### Competition "Mathematician-researcher"

2018

Higher School of Economics, Laureat

### Scholarship of the Government of Moscow

2015-2016

## SKILLS

---

**Languages:** Russian (Native), English (C1), French (A2)

**Programming:** Python (NumPy, Pandas, oTree), MATLAB (Dynare), Mathematica, Stata

**Document Creation:** LaTeX

## RESEARCH INTERESTS

---

Behavioral economics, Theoretical economics

## TERM-PAPERS

---

### Why do People Leave the Reviews?

PSE, supervisor: Nikhil Vellody

- Model the reviewing process under the assumption that the individuals are rational Bayesians
- Show that this model can explain the lack of moderate reviews and the prevalence of the extreme reviews

### Fishing Rods, Not Fish: Voluntary Sharing of Earning Opportunities in Dictator Games

HSE, supervisor: Anton Suvorov

- Introducing of a new type of the Dictator game with sharing opportunities
- Showing that people are more generous when sharing opportunities than when sharing money (at this moment based on a survey, the experiment is forthcoming)