

**University of Minnesota - Twin Cities**

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Curriculum Vitae  
 Fall 2021

**EGOR MALKOV****Personal Data***Address*

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**Major Fields of Concentration**

Macroeconomics, Labor Economics, Public Economics

**Education**

<i>Degree</i>	<i>Field</i>	<i>Institution</i>	<i>Year</i>
PhD	Economics	University of Minnesota (expected)	2022
MA	Economics	University of Minnesota	2018
MA	Economics	Higher School of Economics, Russia	2014
BA	Economics ( <i>magna cum laude</i> )	Higher School of Economics, Russia	2012

**Dissertation**

Title: "Essays in Inequality and Public Economics"  
 Dissertation Advisor: Professor Larry E. Jones  
 Expected Completion: Summer 2022

**References**

Professor Larry E. Jones	(612) 624-4553 lej@umn.edu	Department of Economics University of Minnesota 4-101 Hanson Hall
Professor Fatih Guvenen	(612) 625-0767 guvenen@umn.edu	1925 Fourth Street South Minneapolis, MN 55455
Dr. Fabrizio Perri	(612) 204-6457 fperri@umn.edu	Research Department Federal Reserve Bank of Minneapolis 90 Hennepin Avenue Minneapolis, MN 55401

## Honors and Awards

2020	<i>MEBDI Machine Learning Competition Prize</i> , University of Minnesota, Minneapolis, Minnesota
2015 - 2016	<i>Jose Peris Graduate Fellowship</i> , University of Minnesota, Minneapolis, Minnesota
2014 - 2015	<i>Department of Economics Research Grant (\$7,500)</i> , Higher School of Economics, Moscow, Russia
2013 - 2015	<i>Best Teacher Award</i> , Higher School of Economics, Moscow, Russia
2013 - 2014	<i>Young Faculty Support Fellowship</i> , Higher School of Economics, Moscow, Russia
2014	<i>Best Master's Graduation Paper Award</i> , Higher School of Economics, Moscow, Russia
2013	<i>Best Paper Award</i> , II Russian Economic Congress
2012	<i>Golden HSE Award</i> , Higher School of Economics, Moscow, Russia
2012	<i>HSE Alumni Award</i> , Higher School of Economics, Moscow, Russia
2012	<i>Best Bachelor's Graduation Paper Award</i> , Higher School of Economics, Moscow, Russia
2011 - 2014	<i>Academic Fellowship</i> , Higher School of Economics, Moscow, Russia
2010 - 2013	<i>Oxford Russia Fund Fellowship</i> , Higher School of Economics, Moscow, Russia

## Teaching Experience

2016 - 2017	<i>Teaching Assistant</i> , Department of Economics, University of Minnesota, Minneapolis, Minnesota. Led recitation sections for the doctoral level <i>Microeconomic Analysis</i> sequence.
2011 - 2015	<i>Teaching Assistant</i> , Department of Economics, Higher School of Economics, Moscow, Russia. Led recitation sections for <i>Macroeconomics</i> , <i>Economic Thinking</i> , and <i>History of Economic Thought</i> .
Spring 2014, Spring 2015	<i>Teaching Assistant</i> , Department of Economics, HSE-NES (New Economic School) Joint Program in Economics, Moscow, Russia. Led recitation sections for <i>Macroeconomics-2</i>
Summer 2014, Summer 2015, Summer 2016	<i>Teaching Assistant</i> , HSE and Egor Gaidar Foundation's Summer School in Economics. Led recitation sections for <i>Macroeconomics</i> .
2014	<i>Teaching Assistant, Coursera</i> , Led recitations for Professor Oleg Zamulin's <i>Macroeconomics</i> .

## Research Experience

2017 - present	<i>Research Analyst</i> , Research Department, Federal Reserve Bank of Minneapolis, Minneapolis, Minnesota. Research Assistant to Fabrizio Perri.
2020	<i>Research Assistant</i> , Department of Economics, University of Minnesota, Minneapolis, Minnesota. Research Assistant to Fatih Guvenen.
2012 - 2015	<i>Junior Research Fellow</i> , Laboratory for Macroeconomic Analysis, Higher School of Economics, Moscow, Russia.

## Publications

- Malkov, Egor, "Nature of Work and Distribution of Risk: Evidence from Occupational Sorting, Skills, and Tasks," CEPR Covid Economics: Vetted and Real Time Papers, 34, 2020: 15-49.
- Malkov, Egor, "Simulation of Coronavirus Disease 2019 (COVID-19) Scenarios with Possibility of Reinfection," Chaos, Solitons & Fractals, 139, 2020.
- Polishchuk, Leonid, Egor Malkov, Michael Rochlitz, and Georgiy Syunyaev, "How (Not) to Measure Russian Regional Institutions," Russian Journal of Economics, 1(2), 2015: 154-18, presented at the International Conference on Economic and Social Development, Higher School of Economics, Moscow; ISNIE Conference, Harvard University (by coauthor); Center for Institutional Studies Research Seminar, Higher School of Economics, Moscow (by coauthor); 2015; Ronald Coase Institute Workshop on Institutional Analysis, Xiamen, China; 2013; EBES Conference, Warsaw, Poland; 2012; Russian Economic Congress; 2009.

## Working Papers

- Malkov, Egor, "Optimal Income Taxation of Singles and Couples," presented at the Webinar in Gender and Family Economics, CY Cergy Paris Université (virtual; scheduled); 2022; Cardiff Business School Economics Seminar, Wales (virtual; scheduled); Society for the Study of Economic Inequality (ECINEQ) Meeting, LSE, United Kingdom (virtual); China Meeting of the Econometric Society, Shanghai, China (virtual); Meeting on Public Economics, A Coruña, Spain (virtual); 2021.
- Malkov, Egor, "Welfare Effects of Labor Income Tax Changes on Married Couples: A Sufficient Statistics Approach," presented at the European Winter Meetings of the Econometric Society, Barcelona, Spain (virtual; scheduled); Midwest Economic Theory Conference, East Lansing, Michigan; Annual Conference of the Italian Society of Public Economics, Bari, Italy (virtual); INFER Annual Conference, Lisbon, Portugal (virtual); Brazilian Meeting in Family and Gender Economics, FGV EESP, Brazil (virtual); NIPFP-IIPF Conference on Public Finance, India (virtual); COMPIE 2021 Conference, European Commission (virtual); Ludwig Maximilian University of Munich, Public Economics Seminar, Germany (virtual); Conference of the European Society for Population Economics, Barcelona, Spain (virtual); Society of the Economics of the Household Meeting,

Boston University (virtual); Midwest Economics Association Annual Meeting (virtual); 2021; National Tax Association Annual Conference, Denver, Colorado (virtual); Junior Virtual Macro (VMACS) Conference; European Economic Association Congress, Rotterdam, Netherlands (virtual); 2020.

Malkov, Egor, "Spousal Occupational Sorting and COVID-19 Incidence: Evidence from the United States," presented at the ICEA Public Health Conference (virtual; scheduled); "Perspectives on (Un)employment" IAB Workshop, Germany (virtual; scheduled); International Meeting on Emerging Diseases and Surveillance, IMED 2021 (virtual; scheduled); COVID-19 PHSMs Research Outcome Conference (virtual); 2021.

Malkov, Egor, "Dynamic Contracting with Multidimensional Screening," presented at the LACEA LAMES Annual Meeting, Bogota, Colombia (virtual); Econometric Society European Meeting, Copenhagen, Denmark (virtual); 2021; National Tax Association Annual Conference, Tampa, Florida; Midwest Economic Theory Conference, St. Louis, Missouri; Macro Workshop, Higher School of Economics, Moscow; Midwest Economics Association Annual Meeting, St. Louis, Missouri; 2019.

Malkov, Egor, "Minimax Outside the Top-5," presented at the International Conference on Economics of Football, Moscow, Russia, 2018.

Dower, Paul Castañeda, Egor Malkov, Leonid Polishchuk, and William Pyle "Costs and Benefits of Land Ownership: The Case of Russian Firms," presented at the International Conference on Economic and Social Development, Higher School of Economics, Moscow; 2015, 2014; Russian Economic Congress, 2009.

### Work in Progress

Krueger, Dirk, Egor Malkov, and Fabrizio Perri "How Do Households Respond to Income Shocks?"

Arellano, Cristián Aguilera and Egor Malkov, "Minimum Wage, Informality, and Earnings Inequality: Evidence from Mexico"

Malkov, Egor, "Statistics of the Russian Empire: Digitized Data Tables" (historical data digitization)

### Media

"The Viability of Working from Home: A Study of Couples in the US," VoxEU, 2020

"The Nature of Work, Economic and Health Risks during the COVID-19 Pandemic," Real Time Talent, 2020

"Work from Home, COVID-19, and Risks for Married Couples," Econs.Online, 2020

### Presentations

"Inequality, Heterogeneity, and Big Data: New Horizons in Economics," presented virtually to students in Russia, 2021.

"The Facts of Economic Growth," public lecture in Moscow, Russia, 2015.

### Mentoring

2021 - present Graduate Applications International Network (GAIN)

**Referee Experience:** *European Economic Review, B.E. Journal of Economic Analysis & Policy; Simulation; Chaos, Solitons & Fractals; Voprosy Ekonomiki*

**Computer Skills:** Matlab, Stata, Julia, R, EViews, Python, Fortan, LaTeX, LyX

**Languages:** English (fluent), Russian (native)

### Abstract

"Optimal Income Taxation of Singles and Couples," job market paper

How different should income taxation be across singles and couples? I answer this question using a general equilibrium overlapping generations model that incorporates single and married households, intensive and extensive margins of labor supply, human capital accumulation, and uninsurable idiosyncratic labor productivity risk. The degree of tax progressivity is allowed to vary with marital status. I parameterize the model to match the U.S. economy and find that couples should be taxed less progressively than singles. Relative to the actual U.S. tax system, the optimal reform reduces progressivity for couples and increases it for singles. The key determinants of optimal policy for couples relative to singles include the detrimental effects of joint taxation and progressivity on labor supply and human capital accumulation of married secondary earners, the degree of assortative mating, and within-household insurance through responses of spousal labor supply. I conclude that explicitly modeling couples and accounting for the extensive margin of labor supply and human capital accumulation is qualitatively and quantitatively important for the optimal policy design.