

EDUCATION

Ph.D. in Economics, The University of North Carolina at Chapel Hill, USA	2021 Expected
M.A. in Economics, New Economic School, Moscow, Russia	2015
M.S. in Mathematics and Physics, Moscow Institute of Physics and Technology, Moscow, Russia	2011
B.S. in Mathematics and Physics, Moscow Institute of Physics and Technology, Moscow, Russia	2009

RESEARCH FIELDS

Primary	Industrial Organization, Empirical Microeconomics
Secondary	Microeconomic Theory, Search Theory

WORKING PAPERS

· **Big Data and Consumer Welfare: Evidence from the Hotel Booking Market (Job Market Paper).**

Abstract. I study how the information the search intermediary has about consumer preferences impacts the market. Consumers search costly among products of different sellers relying on the rankings order provided by the intermediary based on their preferences. Knowing personal consumer preference, the intermediary provides personalized rankings order to consumers, which is more accurate than the common to all consumers order rankings based on the aggregated preferences data only. Better product targeting affects consumer search and purchases, which, in turn, changes the seller pricing incentives. I consider these aspects by modeling both sides of the market under various ranking algorithms used by the intermediary. On the demand side, I develop a joint model of consumer costly search and purchase. On the supply side, I consider the sellers' pricing competition. To estimate the demand and supply models, I utilize a rich dataset provided by Expedia, which includes consumer search and purchase data and information on the hotels and prices they charge. I found that if the intermediary uses data on consumers' preferences to provide them personalized rankings of products, consumers, on average, experience a 3.1% (\$4.2) utility decrease due to increased transaction prices and a .8% (\$1.1) utility gain due to a reduction in search spendings.

· **Markets with Search Frictions and Partially Informed Intermediary**

Abstract. The paper discusses markets with consumer's search frictions and partial information. The main finding is the better information the platform provides can decrease the average quality of the product consumers purchase and decline in the total economic welfare and consumer surplus. The mechanism is if the platform makes better advise to consumers in average what product to explore first, all consumers have lower expectations about the next products and explore them less often, which decreases the quality of purchased good for consumers who got the wrong recommendation and might lead to reduction of the average quality of purchased products. The effect appears in the case of low search cost, which makes it especially important in the analysis of online search platforms.

WORK IN PROGRESS

· **Firms entrance and market power. The case of ranking platforms with ordered consumer search**

Abstract. The paper shows that the entrance of new firms on ranking platforms with ordered consumer's search (e.g., Amazon and Google) can lead to an increase in the price charged by firms already presented on the market, despite increased market competition. The mechanism is as follows: an entrance of a new firm increases the chances of all other firms on the market to take low positions in the ranking, which, according to standard results of ordered search literature, leads to an increase in firms' prices.

PROGRAMMING SKILLS

Python, R, Mathematica, Git, \LaTeX , Stata

RESEARCH EXPERIENCE

2018	Research Assistant for Yunzhi Hu , Kenan-Flagler Business School
2017	Research Assistant for Jonathan W Williams , The University of North Carolina at Chapel Hill
2014	Research Assistant for Ruben Enikolopov , New Economic School

TEACHING EXPERIENCE

2017 – Present	Instructor, The University of North Carolina at Chapel Hill, (10 semesters in total), Microeconomic Theory for nonmajors, 100 students. Latest evaluation Fall 2018,2019,2020, Spring 2019,2020,2021 Microeconomic Theory for majors, 30 students. Latest evaluation Summer 2017,2018,2019 Statistics and Econometrics for majors, 30 students. Latest evaluation Summer 2020
2016 – 2018	Undegraduate Head Teaching Assistant, The University of North Carolina at Chapel Hill, Microeconomic Theory for majors, 500 students Fall 2016,2017, Spring 2017,2018
2014 – 2015	Graduate Teaching Assistant, New Economic School, Game theory, Ph.D. level, 20 students Optimization Methods in Economics, Ph.D. level, 20 students

WORKING EXPERIENCE

2010 – 2012	Air conditioners online store, CEO
2009 – 2010	Strategy Consulting, Analyst
2008	Microsoft, Marketing Department, Summer Intern

PRESENTATIONS

2020	SEA 90th Annual Meeting, New Orleans, US
2020	OLIGO Workshop, Maastricht, The Netherlands
2019	OLIGO Workshop, Nottingham, UK
2017	OLIGO Workshop, Moscow, Russia
2015	35th NES Research Conference, Moscow, Russia

AWARDS

2019 – 2021	The Buono Family Grant for Excellence in Economics and Teaching
2017, 2019	The Graduate Student Transportation Grant, UNC
2016 – 2017	The Joseph M. Kampf and the Elizabeth and Harry Brainard families scholarship, UNC
2015 – 2021	UNC Graduate Fellowship
2014 – 2015	Vladimir Potanin Foundation Academic Excellence Fellowship
2013 – 2015	NES Academic Fellowship
2007 – 2009	Alexander Abramov Foundation Academic Excellence Fellowship

LANGUAGES

English – fluent, Russian – native

REFERENCES

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