

## Curriculum Vitae

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### Matilda Orth

#### Contact Information

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Research Institute of Industrial Economics IFN  
Box 55665, Grevgatan 34  
SE-102 15 Stockholm, Sweden

#### Current Positions

2011 – Research Institute of Industrial Economics IFN, Stockholm, Sweden

2014 – Visiting teacher, Stockholm School of Economics, Sweden

#### Research Fields

Empirical Industrial Organization, Applied Microeconomics

#### Education

PhD in Economics, March 2012, University of Gothenburg, Sweden

Advisor: Lennart Hjalmarsson

Discussant: Professor Amil Petrin, University of Minnesota, USA

MSc in Economics, University of Gothenburg, Sweden

Economics, human geography, political science, two minors: statistics and mathematics

Advisor: Professor Marcus Asplund

#### Publications

R&D Dynamics and Its Impact on Productivity and Export Demand in Swedish Manufacturing (with Mark J. Roberts, Florin Maican and Van Anh Vuong), *Journal of the European Economic Association*, 21 (4), p. 1318–1362, 2023

Determinants of Economies of Scope in Retail (with Florin Maican), *International Journal of Industrial Organization*, 75, 2021

Entry Regulations, Welfare and Determinants of Market Structure (with Florin Maican) *International Economic Review*, 59 (2), p. 727–756, 2018

Productivity Dynamics and the Role of “Big-Box” Entrants in Retailing (with Florin Maican) *Journal of Industrial Economics*, LXV, p. 397–438, 2017

A Dynamic Analysis of Entry Regulations and Productivity in Retail Trade (with Florin Maican) *International Journal of Industrial Organization*, 40, p. 67–80, 2015

- **Winner of the IJIO Best Paper Award 2016**

### Pre-Doctoral Publications:

Opening Local Retail Food Stores: A real-options approach (with SO. Daunfeldt and N. Rudholm), *Journal of Industry, Competition and Trade*, 10 (3), p. 373–387, 2010

Who Visits the Museums? A comparison between stated preferences and observed effects of entrance fees (with E. Lampi), *Kyklos*, 62 (1), p. 85–102, 2009

### **Monographs**

Entry Competition and Productivity in Retail, Doctoral dissertation, no. 203, Department of Economics, School of Business, Economics and Law, University of Gothenburg, 2012

### **Working Papers**

Entry Regulations and Product Variety in Retail (with Florin Maican), CEPR Discussion Paper 15992, September 2024

R&D Dynamics and Its Impact on Productivity and Export Demand in Swedish Manufacturing (with Mark J. Roberts, Florin Maican and Van Anh Vuong) NBER Working Paper 27986, CEPR Discussion Paper 15369, 2022

Inventory Behavior, Demand, and Productivity in Retail (with Florin Maican), CEPR Discussion Paper 13308, November 2018

### **Research Papers in progress**

Maican, F. and M. Orth (2024) “Economies of Scope in Retailing,” Handbook chapter, Elgar Encyclopedia of Retailing, under revision, Edward Elgar

Maican, F. and M. Orth (2024) “The Impact of Entry Reform on Product Access and Quality in Pharmacies”, mimeo, University of Gothenburg and Research Institute of Industrial Economics

Maican, F. and M. Orth (2024) “Demand, Market Structure and Welfare in the Pharmacy Market”, mimeo, University of Gothenburg and Research Institute of Industrial Economics

Maican, F. and M. Orth (2024) “Quantifying the Impact of State Aid to Pharmacies”, mimeo, University of Gothenburg and Research Institute of Industrial Economics

Maican, F. and M. Orth (2024) “Agglomeration Economies in Retail Industries: Implications for Consumers, Firms and Society”, mimeo, University of Gothenburg and Research Institute of Industrial Economics

Maican, F. and M. Orth (2024) “The Impact of Subsidies on Market Structure and Welfare,” mimeo, University of Gothenburg and Research Institute of Industrial Economics

- Best Paper Award, finalist, 50<sup>th</sup> European Association for Research in Industrial Economics 2023
- Presented at IIOC, EARIE

Maican, F. and M. Orth (2024) “Measuring the Dynamic Effects of Building Broadband Infrastructure,” mimeo, University of Gothenburg and Research Institute of Industrial Economics

- Presented at the 24<sup>th</sup> CEPR Applied IO Conference, Toulouse School of Economics
- Presented at IIOC, EARIE and SWERIE

Maican, F. and M. Orth (2024) “Broadband Infrastructure and Firm Performance,” mimeo, University of Gothenburg and Research Institute of Industrial Economics

Maican, F. and M. Orth (2019) “Multiproduct Technology and Productivity Dynamics: A Simulation Approach”, mimeo, University of Gothenburg and Research Institute of Industrial Economics

Maican, F., M. Orth and A.K. Petrin (2019) Are Workers Paid their Marginal Product? Evidence from linked employer-employee data, mimeo, University of Minnesota, University of Gothenburg and Research Institute of Industrial Economics

- Presented at the EALE-SOLE-AASLE

## Teaching

### **Stockholm School of Economics (more than 400 hours in class)**

Graduate Industrial Organization, MSc program Econ, 2019-2020 (course director), course evaluation 6.4/7  
Graduate Industrial Organization, MSc program Econ, 2018-2019 (course director)  
Graduate Industrial Organization, MSc program Econ, 2017-2018 (course director)  
Graduate Industrial Organization, MSc program Econ, 2016-2017 (course director)  
Graduate Industrial Organization, MSc program Econ, 2015-2016  
Graduate Industrial Organization, MSc program Econ, 2014-2015

Microeconomics, BSc program in Retail Management, 2024-2025 (course director), ongoing  
Microeconomics, BSc program in Retail Management, 2023-2024 (course director), course evaluation 6.0/7  
Microeconomics, BSc program in Retail Management, 2022-2023 (course director)  
Microeconomics, BSc program in Retail Management, 2021-2022 (course director)  
Microeconomics, BSc program in Retail Management, 2020-2021 (course director)  
Microeconomics, BSc program in Retail Management, 2019-2020 (course director)  
Microeconomics, BSc program in Retail Management, 2018-2019 (course director)  
Microeconomics, BSc program in Retail Management, 2017-2018 (course director)

Quantitative Methods, PhD level, lectures and round tables, Research School, CFR, fall 2022

Quantitative Methods, PhD level, lectures and round tables Research School, CFR, fall 2020

Guest Lecture, Productivity in retailing, BSc program in Retail Management, 2017

Guest Lecture, Research on retail markets, BSc program in Retail Management, 2013 and 2016

### **University of Gothenburg (approximately 150 hours in class)**

Graduate Industrial Organization I, Master course, 2008-2010

Graduate Industrial Organization II, Master course, 2008-2010

Undergraduate Industrial Organization, Intermediate level, 2005-2006 and 2010

Microeconomics, TA, Introductory level, 2005-2006 and 2010

## Supervision

### **Stockholm School of Economics**

Master thesis, 2019/2020, in collaboration with H&M

Master thesis, 2018/2019

Master thesis, 2018/2019, in collaboration with Spotify

Master thesis, 2018/19

Master thesis, 2017/2018

Master thesis, 2017/2018

Master thesis, Karin Fura och Elsa Horn af Rantzien, 2017/2018,

in collaboration with the Swedish eHealth Agency

- Awarded prize for “Best Master thesis in competition economics” by the Swedish Competition Authority 2017

### **University of Gothenburg**

Bachelor thesis, 2008/2009

### **Faculty Opponent and Grading Committees**

Ph.D. Grading Committee, Tove Forsbacka, “The Evolution of Competition: The Role of Institutional Ownership, Measurement, and Regulation” Department of Economics, SSE, May 2024

Ph.D. Faculty Opponent 2<sup>nd</sup>, Andreas Tveito, “Price Coordination and Consumer Behavior: Evidence from Retail Fuel”, University of Bergen, Norway, April 2022

### **Research Awards**

The 50th European Economic Association for Research in Industrial Economics, EARIE, Best Paper Award, finalist 2023

The *International Journal of Industrial Organization* Best Paper Award 2016

Master thesis awarded prize for “Best Bachelor/Master thesis in industrial organization” by the Swedish Competition Authority 2002

### **Research Visits**

2017            KU Leuven, March  
2016            University of Rennes, France, October  
2015            Pennsylvania State University, April  
2014            Pennsylvania State University, October  
2009            Tilburg University, May  
2007            Toulouse School of Economics

### **Conferences**

2023            Nordic Workshop in Industrial Organization, NORIO  
2022            AEA-ASSA Meetings, Virtual  
                    Swedish Workshop in Industrial Organization, SWERIE  
2020            EALE SOLE AASLE World Conference, Virtual  
2019            Conference of the European Econ. Assoc. for Research in Ind. Economics, EARIE, Barcelona  
                    Nordic Workshop in Industrial Organization, NORIO  
2016            Understanding the Roots of Productivity Dynamics, Bank of Italy, Rome  
2015            International Industrial Organization Conference, IIOC, Boston  
2014            Conference of Swedish Network for European Studies in Economics and Business  
2013            Swedish Workshop on Competition Research  
2012            Conference of the European Econ. Assoc. for Research in Ind. Economics, EARIE, Rome  
                    INFORMS Marketing Science Conference, Boston  
                    International Industrial Organization Conference, IIOC, Washington  
                    EIEF, Rome, Workshop on Structural Approaches to Productivity and Industrial Dynamics  
2011            European Meeting of the Econometric Society, EEA-ESEM, Oslo  
                    Swedish Economic Association Conference  
                    International Industrial Organization Conference, IIOC, Boston  
2010            Swedish Economic Association Conference  
                    XXV Jornadas de Economía Industrial, Madrid  
                    Conference of the European Econ. Assoc. for Research in Ind. Economics, EARIE, Istanbul  
                    Annual Conference of the European Economic Association, EEA-ESEM, Glasgow  
                    Nordic Workshop in Industrial Organization, NORIO, Bergen  
2009            Conference of the European Econ. Assoc. for Research in Ind. Economics, EARIE, Ljubljana  
                    Swedish Workshop on Competition Research  
2008            Conference of the European Econ. Assoc. for Research in Ind. Economics, EARIE, Toulouse  
                    Nordic Retail and Wholesale Conference  
2007            Conference of the European Econ. Assoc. for Research in Ind. Economics, EARIE, Valencia  
                    Nordic Workshop in Industrial Organization, NORIO  
2006            Conference of the European Econ. Assoc. for Research in Ind. Economics, EARIE, Amsterdam  
                    Spring Meeting for Young Economists, Seville

- 2005 Workshop on Advances in the Empirical Analysis of Retailing, Berlin  
 Conference of the European Econ. Assoc. for Research in Ind. Economics, EARIE, Porto  
 Annual Conference of the European Economic Association, EEA, Amsterdam  
 Nordic Workshop in Industrial Organization, NORIO, Reykjavik

#### **Invited Seminars**

- 2022 Federal Communications Commission (FCC), Washington DC, US  
 2016 University of Rennes, France  
 2017 Linnaeus University  
 2014 Royal Institute of Technology  
 2013 Sodertorn University  
 2012, 2002 Swedish Competition Authority  
 2010 Research Institute of Industrial Economics  
 2009 Tilburg University  
 2007 Toulouse School of Economics

#### **Paper Discussant**

- 2023 Nordic Workshop in Industrial Organization, NORIO  
 2019 Nordic Workshop in Industrial Organization, NORIO  
 2015 International Industrial Organization Conference, IIOC, Boston  
 2012 Conference of the European Econ. Assoc. for Research in Ind. Economics, EARIE, Rome  
 CEPR / JIE Conference on Applied IO, Cyprus  
 International Industrial Organization Conference, IIOC, Washington  
 2011 International Industrial Organization Conference, IIOC, Boston  
 IFN Conference on Entrepreneurship, Firm Growth and Ownership Change  
 2010 XXV Jornadas de Economía Industrial, Madrid  
 Swedish Economic Association Conference

#### **Organizer of seminars and conferences**

- 2011- Host and seminar organizer for a large number of visiting professors at the IFN  
 2011 Responsible organizer of IFN's seminar series

#### **Referee**

*Economics Letters, International Journal of Industrial Organization, Journal of Behavioral and Experimental Economics, Journal of Economic Geography, Journal of the European Economic Association, Journal of Urban Economics, the Annals of Regional Science, Social Science Research*

#### **Research Grants and Scholarships**

Kamprad Family Foundation for Entrepreneurship, Research and Charity  
 "Health Care for Elderly: the Swedish Pharmacy Market" (PI) 2021-2024

Torsten Söderberg Foundation

"Competition in Health Care Markets: the Swedish Pharmacy Market" (PI) 2021-2024  
 "Competition in Retail Trade" 2013-2016

Swedish Competition Authority

"Priser, Marginaler och Konkurrens på Livsmedelsmarknaden i tider av osäkerhet" (PI) 2024-2026

"Investments, Productivity and Competition in the Broadband Market" (PI) 2017-2021

"Dynamic Store Adjustment: Switching Store Formats in Retail" 2010-2011

"Differentiation and Competition in Food Retailing: The case of discounters" 2009

"How do 'Big-Box' Entrants Influence Competition and Productivity in Local Food Retailing?" 2007-2008

The Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning (Formas)

"Policy Evaluation for Sustainable Regional Development" (PI) 2017-2021

Swedish Retail and Wholesale Development Council (Handelsrådet)

“Strategic Positioning in the Retail Food Market” (PI) 2012-2014  
”Is there a Wal-Mart effect without Wal-Mart? A Dynamic Analysis of Retail Productivity” 2008

Jan Wallander and Tom Hedelius Foundation  
“Ägandeformer, etablering och konkurrens på tjänstemarknader i stad och landsbygd” 2018-2021

Markussens Forskningsfond 2007, Adlerbertska Forskningsstiftelsen 2006

### **Expert**

2013 – Economic Expert Judge, Swedish Patent and Market Court of Appeal (Patent- och Marknadsöverdomstolen)  
2011 – Economic Expert Judge, Swedish Administrative Court (Förvaltningsdomstolen)  
2024 Reference group member, Swedish Competition Authority  
2024 Reference group member, Swedish Defence Research Agency (FOI)  
2023 Reference group member, Swedish Competition Authority  
2014 Reference group member, Swedish Competition Authority

### **Workshops and Course Work**

2022 Competition and regulation in digital markets, mini course, Tommaso Valetti, Imperial College London and University of Rome “Tor-Vergata”, SSE  
2021 The production approach to market power, mini course, Jan De Loecker, KU Leuven, SSE  
2014 Productivity: Firms and Markets, mini course, Chad Syverson, Booth School of Business, University of Chicago, SSE  
2013 Auctions and Collusion, mini course, John Asker, Stern School of Business, New York University, SSE  
2009 Structural Econometrics for IO, course, Victor Aguirregabiria, University of Toronto, CEMFI  
Empirical IO, course, Daniel Akerberg, UCLA, Helsinki School of Economics  
2007 Structural Econometrics for IO, course, Victor Aguirregabiria, University of Toronto, Helsinki School of Economics  
2006 Empirical IO, mini course, Ariel Pakes, Harvard University, SSE  
2005 Empirical IO, course, Ariel Pakes, Harvard University, Helsinki School of Economics

### **Administrative positions and experience**

2023 Recruitment committee IFN, tenure-track position  
2023 Recruitment committee IFN, several RA positions  
2022 Recruitment committee IFN, tenure-track position

### **Policy Work**

2024 – Research Consultant, SNS (ongoing)  
2022 Research Consultant, Swedish Competition Authority  
2015 Research Consultant, Swedish Retail and Wholesale Council  
2008 Research Consultant, Swedish Retail and Wholesale Development Council  
2007 Consultant, Swedish Civil Aviation Authority  
2004 Consultant, Swedish Competition Authority

### **Policy presentations**

Swedish Post and Telecom Authority, policy seminar, “The Dynamic Effects of Building Broadband Infrastructure”, Stockholm, 2023  
Swedish Competition Authority, policy seminar, “Competition in the Market for Pharmacies and Pharmaceuticals”, Stockholm, December 2022  
Federal Communications Commission (FCC), “The Dynamic Effects of Building Broadband Infrastructure”, virtual seminar, Washington DC, October 2022  
Board of Directors IFN, “Deregulation of the Pharmacy Market”, 2021  
Chairman of Board IFN, “Deregulation and Product Variety”, 2019

National Institute of Economic Research (Konjunkturinstitutet), “Productivity in Services”, Stockholm, August 2018

Alumni Meeting IFN, “Market Dynamics in Retail”, 2016

Board of Directors IFN, “Structural Change and Productivity in Services”, 2011

School of Business Day, University of Gothenburg, “Is there a Walmart Effect Without Walmart?”, 2007

### **Publications in Swedish**

Digitalisering, strukturomvandling och produktivitet i tjänsteföretag (Digitalization, Structural Change and Productivity in Services), *Ekonomisk Debatt*, No. 1, 2018 (with Florin Maican)

- Presented at the National Institute of Economic Research (Konjunkturinstitutet), August 2018
- Cited by Sveriges Riksbank

Marknadsstruktur och dynamik i dagligvaruhandeln (Dynamics of Market Structure in Retail), *Ekonomisk Debatt*, No. 1, 2012 (with Florin Maican)

### **Popular Science Reports**

Apoteksmarknaden ur ett konkurrensperspektiv, Research report, Swedish Competition Authority, No. 4, 2022 (with Florin Maican)

The Dynamic Impact of Exporting on Firm R&D Investment, VoxEU column, January 2021

Strategisk mix av dagligvarubutiksformat – metoder för att effektivt analysera marknaden, Swedish Retail and Wholesale Council 2016:1 (with Florin Maican)

Finns det en Wal-Mart effekt utan Wal-Mart? (Is there a Wal-Mart effect without Wal-Mart?), Swedish Retail and Wholesale Council 2009:1 (with Florin Maican)

Vem konkurrerar med vem på flygmarknaden? En studie av flygmarknadens segment (Product Market Competition in the Airline Industry), Swedish Civil Aviation Authority 2008:2 (with Florin Maican)

Tjugo års utredande av höga matpriser och otillfredsställande kvalitet: Vad har man egentligen kommit fram till? (Twenty years of investigating high retail-food prices and unsatisfactory quality: what are in fact the results?), Swedish Competition Authority, 2004

### **Short popular science articles**

Handelshinder minskar FoU-satsningar, IFN Yearbook 2023

Apoteket efter omregleringen, IFN Yearbook 2022

Konkurrens och osäkerhet i hälso- och sjukvården: Den svenska apoteksmarknaden, Torsten Söderberg Foundation Yearbook 2020

Deregulating Retail: The Hidden Impact of a Lower Bar to Entry, IFN Newsletter, No. 2, 2019

Mindre strikt reglering ökar produktiviteten i detaljhandeln, IFN Newsletter, No. 5, 2014

### **Selection of media coverage**

Matpriserna och politikerna, Smedjan, 2023

Så har marknaden utvecklats sedan monopolet avskaffades, Svensk Farmaci, 2023

Granskning: De är vinnare i kampen om marknaden, Fri Köpenskap, 2023

Hur kan bankerna skörda jättevinst trots växande kundmissnöje? Omni ekonomi, 2023

Inga statligt ägda apotek i Västerbottens inland, Västerbottens folkblad, 2022

Apoteksmarknaden ur ett konkurrensperspektiv, Konkurrensverkets nyhetsbrev, 2022

Framtiden för våra köpcentrum, Intervju i Sveriges radio (SR), 2017

Se möjligheterna med big data, Fri Köpenskap, 2016

Etablering av nya butiker, Market, 2016

Om regleringen av nya butiker, Dagens samhälle, 2016

Det handlar om att handla, IFN Podcast 2015

Coop slopar butiksnamnet Konsum, Ekonomiekot, Sveriges radio (SR), 2015

Stormarknad får vika om vi ställer bilen, Dagens Nyheter, 2014  
Efter 33år slår de igen lanthandeln i Hörja, Expressen, 2014  
Lokal marknad ett svar på storhandel, Intervju i Sveriges radio (SR), 2013  
Vinna eller försvinna för småbutiker, Fria Företagare, 2011  
Avgift spelar roll för vem som besöker Museum, Göteborgs Posten, 2008  
Lidl och Nettos konkurrens undersöks, Fri Köpenskap, 2008  
Porträttet, Fri Köpenskap, 2008

## References

Professor Mark J. Roberts  
Department of Economics  
Director, Penn State Federal  
Statistical Research Data Center  
Pennsylvania State University  
University Park, PA 16802, USA  
Phone: +1 814 863-1535  
Email: [mroberts@psu.edu](mailto:mroberts@psu.edu)

Professor Amil K. Petrin  
Department of Economics  
University of Minnesota, Twin Cities  
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