

General

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Current position: Visiting Researcher, University of Washington; Associate professor (senior research fellow), Tartu University;

Education:

1993 BA in physics, Tartu University

1997 MSc in physics, Tartu University

2001 MA in Economics, Tartu University

2005 PhD in Economics, Aarhus University

Languages: Estonian (native), English (fluent), Danish (fluent), Finnish (good)

Employment:

2005–2010 Assistant Professor (research fellow), Department of Economics, Tartu University

2005–2006 Post-doctoral fellow, Department of Economics, Aarhus University

2008–2010 Post-doctoral fellow, Department of Economics, Aarhus School of Business, Aarhus University

2010–present Associate professor (senior research fellow), Department of Economics, Tartu University.

2015–present Visiting scholar, Information School, University of Washington

Research interests:

- Econometrics: causal analysis, duration models, sample selection models
- Labor economics: social networks, ethnic groups in the labor market, segregation, labor mobility, migration.
- General: socialization, interethnic contacts.

Publications

Finally Published:

1. Dauth C., Toomet, O. (2016), *On Government-Subsidized Training Programs for Older Workers*. Labour 30(4), 371–392. doi: 10.1111/labr.12082
2. Lehtveer M, Pelakauskas M, Ipbüker C, Howells M, Rogner H, Das A, Toomet O, Tkaczyk A (2016), *Estonian energy supply strategy assessment for 2035 and its vulnerability to climate driven shocks*, Environmental Progress & Sustainable Energy 35(2), 469–478. doi:10.1002/ep.12240
3. Pungas E, Toomet O, Tammaru T (2015), *Do better educated emigrants intend to return? Evidence from Estonian return migration from Finland*. In: Nijkamp P, Poot J, Bakens J (eds) *The Economics of Cultural Diversity*, Edward Elgar, pp 173–193.
4. Toomet O, Silm, S, Saluveer E, Ahas R, Tammaru, T (2015), *Where do Ethnic Groups Meet? Copresence at Places of Residence, Work, and Free-time*. PLoS ONE 10(5): e0126093. doi:10.1371/journal.pone.0126093.
5. Kamenik K, Tammaru T, Toomet O (2014), *Ethnic Segmentation in Leisure Time Activities in Estonia*. Leisure Studies, 34(5), 566–587
6. Hirsch B, Jahn E, Toomet O, Hochfellner D (2014), *Does Better Pre-Migration Performance Accelerate Immigrants' Wage Assimilation?* Labour Economics 30, 212–222.
7. Toomet O, Leij M, Rolfe M (2013) *Social Networks and Labor Market Inequality between Ethnicities*

- and Races* Network Science 1(3), 321-352.
8. Altmäe S, Toomet O, Türk K (2013), *Thomas-Kilmann's Conflict Management Modes and their Relationship to Fiedler's Leadership Styles*. Baltic Journal of Management 8(1), 45–65.
 9. Toomet O (2011). *Venekeelse elanikkonna eesti keele oskus, sissetulek ja tööpuudus Eestis: miks on soolised erinevused nii suured?* (Estonian Language, Employment, and Income of Ethnic Russians: Why are Gender Differences that large?) In: Toomet, Ott; Ainsaar, Mare (Eds.). *Sooline ebavõrdsus tööelus: arengud Eestis ja rahvusvaheline võrdlus* (Gender in the labor market: Developments in Estonia in International Context) (56 - 64). Tartu: Tartu University
 10. Toomet O (2011). *Learn English, Not the Local Language! Ethnic Russians in the Baltic States*. American Economic Review, 101(3), 526 - 531.
 11. Henningsen A, Toomet O (2011). *maxLik: A package for maximum likelihood estimation in R*. Computational Statistics 26(3), 443-458.
 12. Leping K, Toomet O (2008), *Emerging ethnic wage gap: Estonia during political and economic transition*. Journal of Comparative Economics 36(4), 599 - 619.
 13. Henningsen A, Toomet O (2008), *Sample selection models in R: package sampleSelection*. Journal of Statistical Software, 27(7), 1 - 23.
 14. Saar E, Einasto J, Toomet O, Starobinsky A, Andernach H, Einasto M, Kasak E, Tago E (2002), *The Supercluster-Void Network. V. The Regularity Periodogram*. Astronomy & Astrophysics 393, 1-23
 15. Frisch P, Einasto J, Einasto M, Freudling W, Fricke K, Gramann M, Saar V, Toomet O (1995), *Evolution of the Supercluster-Void Network*. Astronomy & Astrophysics 296, 611-618.

Working Papers:

1. Toomet O. (2011), *Threat effect of labour market programmes: Evidence from a quasi-experiment*.
2. Toomet O. (2005), *Does an increase in unemployment income lead to longer unemployment spells? Evidence using Danish unemployment assistance data*. Aarhus University, working paper 2005-7; Bank of Estonia, working paper 9/2005.
3. Rosholm M., Toomet O. (2005), *A search model of discouragement*. IZA Discussion Paper 1633.

Teaching

Full Courses

- Econometrics and Machine Learning (INFX 574), University of Washington 2017
- Core Methods in Data Science (INFO 371), University of Washington 2017
- Graduate Macroeconomics (Tartu University 2005, 2007, 2009, 2011)
- Graduate Microeconomics (Tartu University 2012, 2014)
- Graduate Labor Economics (Tartu University 2007)
- Macroeconomics I (Tartu University 2005-2010)
- Microeconomics I (Tartu University 2011, 2012, 2013, 2014)

Other Teaching

The courses, part of which I have taught but not had the main responsibility (all Tartu University):

- Graduate Macro (2013)
- Social Economics (graduate, 2006, 2007)
- Economic Transition in Central and Eastern Europe (undergraduate, 2007, 2008)
- Quantitative Methods for Social Scientists (graduate, 2011)
- Social and Labour Policy (graduate, 2008)
- Economic Environment (graduate, 2010, 2011, 2012)
- Economic Aspects of Measurement (graduate, 2009, 2011, 2012)

Other professional activities

Refereeing

Referee for *Agricultural Economics*, *Applied Mathematical Modeling*, *Baltic Journal of Economics*, *Baltic Journal of Management*, *Edward Elgar*, *International Journal of Manpower*, *International Migration*, *IZA Journal of European Labor Studies*, *Labor Economics*, *The Manchester School*, *R Journal*, *Review of Economics and Statistics*, *Physica A*, *Tijdschrift voor Economische en Sociale Geografie*.

Software Development

I am the principal author and maintainer of the following R packages. All of these are available both at CRAN (<http://cran.r-project.org/>) and R-FORGE (<http://r-forge.r-project.org/>).

maxLik maximum likelihood estimation, including Newton-Raphson and BHHH methods, fixed parameters, and linear constraints.

sampleSelection Heckman (1976)-style sample selection models, including the binary outcome version.

intReg interval regression, including observation-specific boundaries.

I have extensive experience with computers and big data. I am expert in R, java, C(++), and have working knowledge in PHP, Stata, gauss, SAS.

Student Advising

Supervising many students at different levels, including 2nd year projects, BA thesis, and MA thesis. Currently advisor for 3 PhD students.

Research Visits

- Information School, University of Washington (2015–2017)
- IAB (Institute for Employment Research), Nürnberg (2011-2012)
- Cambridge University (2010)
- University of Alicante (2008)
- University of Michigan (2006)

Other

Seminars organized by me:

- Tartu Xmas seminar (2008-2014)
- Labour economics seminars, Tartu, 2005, 2007, 2008
- Labour economics seminars, Aarhus, spring 2006
- Department seminars, Tartu, 2008

Professional membership:

- Member of EALE program committee 2009
- Visiting fellow of Center for Studies in Demography and Ecology (CSDE), University of Washington

Awards and Grants

- University of Washington, Royalty Research Fund (2014). *Segregation and “Silent Separation”*: Using Large-Scale Network Data to Model the Determinants of Ethnic Segregation, budget 39,657\$. Joint with Joshua Blumenstock.
- CERGE-EI Foundation (2012). *Migration and Ethnic Segregation*, budget 10,700\$. Joint with Joshua Blumenstock.

- Estonian Science Foundation (2012). *Domains of Inter-ethnic Contacts and Spatial Segregation of Ethnic Groups in Cities*. 2012-2015, budget approximately 16,000 € per year. Joint with Kadri Leetmaa and Tiit Tammaru
- Bank of Estonia, research award 2005.

Other activities

Non-refereed publications

These are mostly newspaper articles in Estonian where I comment various issues from the economics' perspective.

- *Visa muutumine* (Slow changes. I explain why the roadmap for Tartu downtown development does not offer much improvement, and what are the main issues not addressed by it.) Sirp, 2013-04-04
- *Toode koosneb asjast endast ja muinasjutust* (A product contains the product and a fairy tale. Here I write why stories, brands, and marketing are so important in the modern world.) Äripäev, 2013-02-02.
- *Helkuri kandmisest ja jalakäijate õigustest* (Reflector and the rights of pedestrians. I explain how making reflectors compulsory limits the pedestrians' rights, and why it still may be useful.) Tartu Postimees, 2012-11-09.
- *Ärihoone aitab Emajõe ja kesklinna kaubandust* (A commercial building will help to revitalize the river and the business in downtown. I propose a building right in the middle of a current street. Includes visualizations.) Tartu Postimees, 2012-09-21.
- *Ott Toomet: tahad tööd? Siis vaheta nime!* (Want a job? So change your name! Summary of the audit study, a master student of mine, Evelyn Uudmäe, conducted in Tallinn. It indicates that Estonian names on CV generate about 30% more invitations to job interview than Russian names). Postimees, 2012-07-05
- *Daniel Hess: Tartul on pakkuda palju erilist ja nauditavat* (An interview with Daniel Hess, a professor of urban planning at Buffalo University. The text revolves around urban design in Tartu. Joint with Kadri Leetmaa). Tartu Postimees, 2012-06-27
- *Miljöömaksu tuleks kompenseerida* (We should compensate the "environment tax". Historic Monument Preservation requirements are equivalent to a tax on historical buildings. This should be (partly) compensated to the owners.) Tartu Postimees, 2011-11-01.
- *Miks valimishubadusi uskuda ei saa* (Why we cannot trust politicians' promises before elections) Postimees online, 2010-03-06
- *Eesti maksusüsteemi võiks lihtsustada* (Estonian tax system should be simplified) Ajakiri HEI, December 2010
- *Mis on tänavuse Majanduse Nobeli preemia sisu?* (What is behind this year's Nobel Price) Postimees, 2010-10-18
- *Turumajandus energiatootmises* (Market Economy in Energy Production. Thoughts about shifting some of the price and blackout risks over to electricity customers). Postimees, 2010-01-18
- *Teadus või poliitika* (Science or Politics? A comment on two articles by global warming sceptics) Postimees, 2009-11-20
- *Eestlaste ja venelaste tööpuudus 1989-2007* (Unemployment among ethnic Estonians and Russians 1989-2007). Vikerkaar 4-5/2009 (Artiklid).
- *Kodakondsus - tuleviku proovikivi* (Citizenship – a test for the future. An essay on country-based citizenship in the globalizing world). Postimees, 2008-02-09
- *Sisseränne ei ole katastroof* (Immigration is not a disaster). Eesti Päevaleht, 2007-10-29
- *Miks venelased teenivad nii vähe?* (Why do Russians earn so little? Thoughts related to the ethnic wage gap in Estonia). Eesti Päevaleht, 2007-08-22
- *Tagasi Eestisse?* (Back to Estonia? Whether well educated Eastern Europeans should return to their country of origin). Universitas Tartuensis, 2007-06-08

- *Odava võõrtööjõu hind* (Price of cheap immigrant labour. On the relationship between wages, consumer prices and job creation). Eesti Ekspress, 2007-01-04.
- *Hirmus tuumaenergia* (Scary nuclear energy. Why people dislike nuclear energy – from an economic point of view). Postimees 2006-08-10.
- *Pensionärid, eluiga ja majanduskasv* (Pensioners, life expectancy and economic growth). Eesti Ekspress, 2006-02-02.
- *Kas teadus ja innovatsioon on eduks vajalik?* (Are research and innovation needed for success?). Eesti Ekspress, Äriteri, 2005-08-04

Other

Interests: urban planning, history, orienteering, cycling