

# MARKUS KAINU

I build *software tools for research* together with [rOpengov](#) for the sake of it and also as my daily job at [Research Department of The Social Insurance Institution of Finland](#)

linux | R | SQL | www | open data | open source



## RESEARCH SOFTWARE IN R

- 2012**  
|  
**2020**  
**eurostat**  
Leo Lahti, Przemyslaw Biecek, Markus Kainu and Janne Huovari.  
R tools to access open data from Eurostat. Data search, download, manipulation and visualization.
- 2019**  
|  
**2020**  
**geofi**  
Markus Kainu, Joonas Lehtomäki, Juuso Parkkinen, Jani Miettinen, Leo Lahti  
R tools for spatial data in Finland
- 2012**  
|  
**2020**  
**rqog**  
Markus Kainu  
Download and use data from the Quality of Government Institute data in R
- 2015**  
|  
**2020**  
**pxweb**  
Måns Magnusson, Markus Kainu, Janne Huovari, and Leo Lahti  
The pxweb R package provides tools to interface with the PX-WEB API for data search, download, manipulation and visualization purposes

## EMPLOYMENT

- 2016**  
|  
**2020**  
**Research unit at National Social Insurance Institution of Finland**  
researcher 📍 Helsinki, Finland
  - Social policy research related to regional disparities and travel reimbursements
  - Development of computing environments on RHEL-linux platform
  - Capacity building within Kela research through ongoing internal R-courses, code reviewing and software development
  - Automating research and statistical publications such as [koronamittarit.kela.fi](#) or [Purchased prescription medicines in Finland](#)
  - Software development of in-house occupational well-being surveys
- 2015**  
|  
**2018**  
**UN Food and Agriculture Organization (FAO)**  
consultant 📍 Rome, Italy
  - Developing software based on R and latex for automated statistical yearbook production
  - capacity building

## CONTACT INFO

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- [🐦 twitter.com/muuankarski](https://twitter.com/muuankarski)
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For more information, please contact me via email

## INTERESTS

Research software development  
social policy research  
Research in Russia and post-socialist space

*This resume was made with the R package **pagedown**.*

*Last updated 2020-12-15.*

2010  
|  
2014

● **Aleksanteri institute, Finnish Centre of Russian and East European Studies, University of Helsinki**

PhD Student

📍 Helsinki, Finland

• Working Title of thesis: *Poverty, place and income redistribution - Analysis of poverty dynamics in post-socialist transition*

2014  
|  
2016

● **Local Government Pensions Institution**

consultant

📍 Helsinki, Finland

• Developing software based on R and latex for automating the analysis and reporting of monthly survey on Occupational Well-being

2012

● **Statistics Finland**

consultant

📍 Addis Abeba, Ethiopia

• Responsible for analysis of Ethiopian Welfare Monitoring Survey data and writing of a summary report



## PUBLICATIONS

2020

● **Mannila S & Kainu M: Poverty and Confidence in Russia**

In: Chernysh Mikhail, Nikula Jouko, editors. Social Distinctions in Contemporary Russia: Waiting for the Middle-Class Society? Routledge;

2020

● **Kivinen, Markku, Meri Kulmala, Jouko Nikula, Simo Mannila, Kainu Markus, Laura Kemppainen, Teemu Kemppainen, et al.: Modernization of the Russian Social Policy: Social Crisis, Interventions, and Withdrawals**

In: Russian Modernization: A New Paradigm. Routledge

2020

● **Kangas Olli, Palme Joakim & Kainu Markus: Welfare state entry and exit over the life course Employment and the sustainability of the welfare state in different worlds of welfare**

In: Foulkes Savinetti, Nicol, and Aart-Jan Riekhoff, Shaping and Re-Shaping the Boundaries of Working Life. Tampere University Press

2019

● **Kainu, Markus, Markku Kivinen, Stein Kuhnle, and Chunling Li: Reform and Stability - The Russian and the Chinese Welfare Systems Compared**

Russian Politics, 4.3 (2019), 423-46

2017

● **Kainu M, Kulmala M, Nikula J, Kivinen M.: The Russian welfare state system: with special reference to regional inequality**

In: Aspalter C, editor. The Routledge International Handbook to Welfare State Systems. Routledge;

2017

- **Kangas O, Palme J, Kainu M: The multifaceted roles of the social investment state in compensating, accumulating and multiplying endowments over the life cycle**

In: Erola J, Kilpi-jakonen E, editors. Social Inequality Across the Generations: The Role of Compensation and Multiplication in Resource Accumulation. Cheltenham, UK: Edward Elgar Pub;

2017

- **Lahti L, Huovari J, Biecek P, Kainu M.: Retrieval and Analysis of Eurostat Open Data with the eurostat Package**

In: Erola J, Kilpi-jakonen E, editors. Social Inequality Across the Generations: The Role of Compensation and Multiplication in Resource Accumulation. Cheltenham, UK: Edward Elgar Pub;

2017

- **Kulmala, M; Kainu, M; Nikula, J & Kivinen, M.: Paradoxes of Agency: Democracy and Welfare in Russia.**

Demokratizatsiya: The Journal of Post-Soviet Democratization} 22, 523-552 (2014)



## EDUCATION

2008

- **University of Turku**

M.Soc.Sc.

Major: social policy research.

📍 Turku, Finland

Thesis: Impact of public transfers on poverty cycle in the Republic of Moldova in 2001-2004.

Grade: laudatur



## TEACHING/WORKSHOPS

2019

- **Introduction to R and Tidyverse**

Kurssilla perehdytään data-analyysin perusasioihin käyttäen R-ohjelmiston Tidyverse-pakettikonaisuutta. Kurssilla käydään läpi data-analyysin prosessi eri datalähteistä, datan siivoamisen ja muokkaamisen kautta visualisoimiseen

📍 World Wide Web

2018

- **Introduction to R and Tidyverse**

Kurssilla perehdytään data-analyysin perusasioihin käyttäen R-ohjelmiston Tidyverse-pakettikonaisuutta. Kurssilla käydään läpi data-analyysin prosessi eri datalähteistä, datan siivoamisen ja muokkaamisen kautta visualisoimiseen

📍 Turku, Finland

2016

- **Introduction to applied data analysis using R**

Kurssilla perehdytään laskennallisen data-analyysin perusasioihin R-ohjelmistolla. Kurssilla käydään läpi data-analyysin prosessi eri datalähteistä, datan siivoamisen ja muokkaamisen kautta visualisoimiseen ja mallintamiseen, sekä analyysin tulosten raportoimiseen.

📍 Turku, Finland

2013



### **Open data in Russian and East-European research**

Introduction to use of open research data in Russian and East European studies through case GDELT-data

📍 Helsinki, Finland

2013



### **Everything was forever until it was no more**

The aim of this workshop is to discuss the different opportunities and challenges the digitalization poses for researchers in the academic world.

📍 Helsinki, Finland

2012



### **A shortcut from data to publication**

Reproducible data analysis in quantitative social research using R, Markdown and knitr

📍 Helsinki, Finland