

VSEVOLOD IAKOVLEV

email: v.iakovlev@hw.ac.uk
webpage: vsevolodiakovlev.github.io

POSITIONS

Research Associate Heriot-Watt University, <i>TransiT</i>	Edinburgh, UK
• <i>Digital Twinning for Transport Decarbonisation</i>	November 2025 – Present
Research Assistant Heriot-Watt University	Edinburgh, UK
• <i>Statistical Review of World Energy 2022, 2023</i>	March 2022 – June 2023
• <i>Current Population Survey datasets matching</i>	

EDUCATION

PhD, Economics Heriot-Watt University, Centre for Social and Economic Data Analytics	Edinburgh, UK
• Thesis title: <i>Essays on Labour Mismatch</i>	September 2021 – September 2025
• Supervisors: Prof Cristina Tealdi, Dr Rachel Forshaw, Dr Erkal Ersoy	
MSc, Economics University of Edinburgh, Scottish Graduate Programme in Economics	Edinburgh, UK
• Focus on microeconomics, econometrics, labour economics, applied microeconometrics	September 2020 – August 2021
• Dissertation on the effect of tuition fees on labour mismatch in the UK; supervised by Prof Keith A. Bender	
MA (Hons), Economics with Management Science University of Edinburgh	Edinburgh, UK
• Focus on mathematical economics, microeconomics, econometrics, linear programming, operational analysis	September 2016 – May 2020
• Dissertation on the revealed preferences theory and college admissions; supervised by Prof Simon Clark	

TEACHING EXPERIENCE

University of Edinburgh	September 2021 – May 2024
• SGPE Econometrics 1 (postgraduate) – Tutor	
• SGPE Econometrics 1 (postgraduate) – Stata labs assistant	
Heriot-Watt University	January 2023 – May 2024
• Econometric Methods (postgraduate) – Stata labs assistant	
• The Economy (undergraduate) – Exam marker	

PUBLICATIONS & WORKING PAPERS

Matched or Mismatched? Unpacking Gender Mismatch Gaps with Machine Learning with C. Tealdi (2025), Revise and resubmit at *Labour Economics*, Available at SSRN.

Skill vs. education types of labour mismatch and their association with earnings (2024), Available at Accountancy, Economics, and Finance Working Papers

Using machine learning methods to estimate the gender wage gap with R. J. Forshaw, M. E. Schaffer, C. Tealdi (2024), *Machine Learning for Econometrics and Related Topics* (pp. 109-129). Cham: Springer Nature Switzerland.

An introduction to stacking regression for economists with A. Ahrens, E. Ersoy, H. Li and M. E. Schaffer (2022), International Conference of the Thailand Econometrics Society (pp. 7-29). Springer, Cham.

CONFERENCE PRESENTATIONS

2025	SGPE Residential Conference	Crieff, UK
2024	Workshop on Frontiers of Macro – Labour Economics	Edinburgh, UK
	Scotland and Northern England Conference in Applied Microeconomics	Crieff, UK
	SGPE Residential Conference	Crieff, UK
2023	SGPE Residential Conference	Crieff, UK

CODE

`toysimlm` – Python implementation of a simple microsimulation of labour mismatch based on a static interpretation of the two-sided matching model

`dap_mrs` – Python implementation of the deferred acceptance procedure designed to compute an applicant-optimal assignment using agents' characteristics and their counterparts' marginal rate of substitution

`mismatch_toolbox` – Python implementation of multiple approaches for computing educational and skill mismatch using data from the 1st Cycle of the Survey of Adult Skills (PIAAC)

INDUSTRY EXPERIENCE

Analyst Intern

IC Select

Edinburgh, UK

June 2020 – August 2020

- Built an MS Access database to centralise fiduciary manager selection data.
- Conducted an analysis of fiduciary managers' reports and presented findings to the team.

Activity Leader

Fettes Centre for Language and Culture

Edinburgh, UK

July 2017, July 2018

- Supervised students on campus, led project sessions and excursions, organised summer camp activities

SKILLS

Programming: Python (pandas, NumPy, Matplotlib, scikit-learn, DoubleML), Stata, R, MATLAB

Tools: Git, Excel, MS Access, GAMS, LATEX

Methods: Economic modelling, econometrics, machine learning, causal inference, simulation modelling

Datasets: PIAAC, LFS, CPS, energy data

Languages: Russian (native), English (fluent)

WORKSHOPS & TRAINING

Treatment Effects and Machine Learning

University of Oxford

Oxford, UK

September 2022

Machine Learning for Economists

University of St Andrews

St Andrews, UK

August 2022

LEADERSHIP & VOLUNTEERING

Jiu Jitsu Instructor

James Gillespie's High School, Edinburgh University Jiu Jitsu Club

Edinburgh, UK

September 2021 – Present

- Volunteered to lead junior and university-level jiu jitsu sessions; certified instructor under the Jiu Jitsu Foundation

Team Captain and Wellbeing Officer

Edinburgh University Judo Club

Edinburgh, UK

April 2024 – April 2025

- Provided support for the university judo team and helped to organise the travel logistics

Co-Founder and Treasurer

ScotQuan

Edinburgh, UK

March 2019 – May 2020

- Co-founded a student-led data-consulting social enterprise, and managed its finances and business development

AWARDS

First Place Award for SGPE Econometrics Project

May 2021

Fettes Centre for Language and Culture Staff Above and Beyond Award

July 2018