

Khanh (Kevin) Duong

Updated July 24, 2024

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| Research interests | Socio-economic Inequalities, Computational Social Science, Cross-National Survey Data | |
| Education | Maynooth University | Maynooth, Ireland |
| | Research Master in Sociology Mentors: Eoin Flaherty, Seán Ó Riain | Sep 2021 – Sep 2023 |
| | Foreign Trade University | Ho Chi Minh, Vietnam |
| | Honour Bachelor in International Economics Mentor: Dang Le Phuong Xuan | Sep 2012 – Sep 2016 |
| Honors and Awards | Government of Ireland Postgraduate Research Scholarship by Irish Research Council GOIPG/2021/441 | Sep 2021 |
| | UNU-MERIT PhD fellowship by United Nations University – MERIT | Sep 2024 |
| Relevant experience | Covalen Managed Solutions Ltd , Division of AI <i>Generative AI annotator</i> | Dublin, Ireland Feb 2024 – Sep 2024 |
| | Accurately annotated AI data according to predefined guidelines; Evaluated the quality of existing data resources and machine learning outputs; Developed and maintained guidelines and procedures for consistent, high-quality classification and content creation; Provided feedback on annotation tasks. <i>Skill acquisition: Social Media, AI Annotation, Teamwork</i> | |
| | UEH Institute of Business Research , Division of Research <i>Research Officer</i> | HCMC, Vietnam Nov 2020 – Sep 2021 |
| | Published a peer-reviewed book chapter: ‘Sustainable Development for Vietnam’s Economy in the Context of Globalization and Industrial Revolution 4.0’; Completed two working papers on sustainable development; Drafted national research funding applications. <i>Skill acquisition: Funding Applications, STATA, Teamwork</i> | |
| | Indochina Research Ltd , Division of Research <i>Research Executive</i> | HCMC, Vietnam Mar 2021 – Sep 2021 |
| | Led the TRAFFIC project (awareness of wildlife animal products for disease treatment) N = 600; Led the WHO project (COVID-19 vaccine awareness in Vietnam) N = 1500; Designed and scripted questionnaires by Survey-Togo (a survey Platform); Conducted data analysis with SPSS & Stata, and Q-research; Drafted final reports and described research methods. <i>Skill acquisition: Mixed Research Methodologies, Project Management</i> | |
| Quantitative methods | Time-series Analysis, Panel Data Analysis, Regularized Regression, Logistic Regression, Dimensionality Reduction, Clustering, Latent Variable Modeling, Causal Inference, Generalized Random Forests, Social Network Analysis, Text Mining, and Simulation. | |
| Programming skills | CRAN-R (expert), Stata (expert), Python (beginner), SPSS (good, but no longer used), LaTeX (good), Word-Excel-Powepoint (expert), Power BI (good, but no longer used), Surey-Togo (good, but no longer used), GitHub , Kaggle, Jupiter, WordPress, Blogger. | |
| Languages | Vietnamese: Native; English: C1 (equivalent); Dutch: A1 (equivalent); German: A1 (equivalent); Mandarin: A1 (equivalent). | |

Publications

Selected articles (data and code available at GitHub)

- [1] Khanh Duong. Is meritocracy just? new evidence from boolean analysis and machine learning. *Journal of Computational Social Science*, pages 1–27, 2024.
- [2] Khanh Duong. What really matters for global intergenerational mobility? *Plos one*, 19(6):e0302173, 2024.
- [3] Khanh Duong and Eoin Flaherty. Does growth reduce poverty? the mediating role of carbon emissions and income inequality [master’s thesis]. *Economic Change and Restructuring*, 56(5):3309–3334, 2023.
- [4] Dong Phong Nguyen, Xuan Vinh Vo, Van Chien Nguyen, Xuan Duc Mai, and Quoc Khanh Duong. Sustainable development for vietnam’s economy in the context of globalization and industrial revolution 4.0. *Sustainability and Environmental Decision Making*, pages 281–310, 2021.

Media Coverage

EurekAlert: *Family conditions may have more of an impact on upward social mobility than gender inequality*, access at <https://www.eurekalert.org/news-releases/1048258>

Miragenews: *Family Status Impacts Social Mobility More Than Gender Bias*, access at <https://www.miragenews.com/family-status-impacts-social-mobility-more-than-1260294/>

Associations

Society for the Advancement of Socioeconomics (member) – attending the annual conference of SASE 2022 at the University of Amsterdam, Netherlands; Maynooth University Social Science Institute (member); Maynooth University academic group for Sustainability and Just Transition (member)

Peer-review

Economic Change and Restructuring; Economics of Innovation and New Technology; Social Science Quarterly; Environment, Development and Sustainability; PLOS ONE

Volunteering

HOMEWORKS - Community Climate Action Project Clare, Ireland
Hosted by The Common Knowledge Centre in The Burren, County Clare, Ireland; Funded by the Community Climate Action Programme; Co-created a toolkit designed to facilitate climate action at the household level; More information available [here](#).

Referees

Dr Eoin Flaherty, Assistant Professor of Sociology, Maynooth University, Ireland
Dr Thi Mai Nguyen, Manager of Training Management Department, Foreign Trade University, Vietnam