Curriculum Vitae for Ali Furkan Kalay

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I am a Research Fellow at the Macquarie University Centre for Health Economy. I have a keen interest in leveraging novel large datasets, from social media to maps and administrative records, to extract meaningful insights, and in utilizing and advancing state-of-the-art statistical models.

PRIMARY: Health Economics, Applied Econometrics
SECONDARY: Statistics

Education

2020-2024	PH.D. IN ECONOMICS (expected), The University of Queensland, Brisbane, QLD, Australia
2019	MASTER OF ADVANCED ECONOMICS, The University of Queensland, Brisbane, QLD, Australia
2016-2018	MASTER in Economics, Istanbul Technical University, Istanbul, Turkey
2012-2016	BACHELOR OF SCIENCE in Industrial Engineering, Istanbul Technical University, Istanbul, Turkey

Employment & Experience

2024-present	*Research Fellow*, Macquarie University Centre for Health Economy
2019 - 2024	*Research Assistant*, The University of Queensland.

- Worked on "Predicting the value and use of urban land", 2018-2022, ARC Linkage Project.
- Worked on "Understanding macroeconomic fluctuations with unobserved networks", 2022-2024, ARC Discovery Project.
- Worked with Satoshi Tanaka and Jorge Miranda Pinto: in a research project investigating the sectoral transformation dynamics in Canada.

2020 - 2023	*Tutor*, School of Economics, The University of Queensland.
2017-2018	*Research Assistant*, Istanbul Technical University:
2015	*Internship*, Product Development Department, Kuveyt Turk Participation Bank

Publications

2019	"SPATIAL ANALYSIS OF TWITTER SENTIMENT AND DISTRICT-LEVEL HOUSING PRICES", *Journal of European Real Estate Research*, Vol. 12 No. 2, pp. 173-189, with C. Hannum and K.Y. Arslanli

Grants

2024-2025	CHIEF INVESTIGATOR: "PREDICTING SELF-HARM AND SUICIDE RISK WITHIN AUSTRALIAN LOCAL GOVERNMENT AREAS", *The National Suicide Prevention Office*, **AUD 296,196**

Working Papers

2024	"SOCIAL INTERACTIONS IN THE DEMAND FOR PRIVATE HEALTH INSURANCE: EVIDENCE FROM LINKED EMPLOYER-EMPLOYEE DATA" (with Alicia Rambaldi and Chris Rose)
2024	"LINKED ADMINISTRATIVE DATA AND ESTIMATING THE MARGINAL WILLINGNESS TO PAY FOR AMENITIES" (with James Hansen and Alicia N. Rambaldi)
2023	"FORECASTING REGIONAL HOUSE SALES IN TURKEY USING GOOGLE TRENDS" (with Yi Zhang)(Draft)
2022	"GENERATING SYNTHETIC DATA USING K-NEAREST NEIGHBORS" (arXiv - Software)
2021	"DOUBLE ROBUST MASS-IMPUTATION WITH MATCHING ESTIMATORS" (arXiv)

Work-in-progress

"Network Spillovers versus Common Factors: A Joint-Estimation Approach" (with James Morley, Valentyn Panchenko, Jorge M. Pinto, Chris Rose)

Talks & Lectures

2024	Conference: 45th Annual AHES Conference (*upcoming*)
	Conference: Internal Seminar (Monash University Centre for Health Economics) (*upcoming*)
	Seminar: Internal Seminars (Macquarie University)
	Presentation: on "Double Robust Difference-in-Difference Estimators" (Macquarie University Centre for Health Economy)
	Conference: Australasian Workshop on Econometrics and Health Economics 2024
	Seminar: Internal Seminar (Macquarie University)
	Conference: Workshop on Economics of Health and Wellbeing (Macquarie University)
2023	Conference: 37th PhD Conference in Economics & Business (University of Melbourne)
	Conference: Econometric Society Australasian Meeting (University of New South Wales)
	Conference: Australian Conference of Economists (Brisbane, Australia
	Conference: Western Economic Association International (University of Melbourne)
	Guest Lecturer: *Statistical Theory for Economists* (The University of Queensland)
	Seminar: Brown Bag (The University of Queensland)
2022	Conference: Center for Efficiency and Productivity Analysis (The University of Queensland)
	Presentation: *on Creating Synthetic Data* (Australian Bureau of Statistics)
2021	Presentation: *"Double Robust Mass-Imputation with Matching Estimators"* (Australian Bureau of Statistics)
	Conference: 34th PhD Conference in Economics & Business (Virtual)
2020	Seminar: PhD Colloquium (The University of Queensland)

Honors & awards

2020-2023	UQ Graduate School Scholarship, The University of Queensland (Stipend and tuition)
2019	Master of Advanced Economics Scholarship, The University of Queensland (Stipend and tuition)
2012-2016	EKOTEK: The Foundation of Economic and Technical Solidarity Success Grant (Monthly stipend)
2012-2016	KYK: State Higher Education Grant for Success (Monthly stipend)
2012	National University Entrance Exam (OSYM): ranked within 0.12% (*out of 2 million*).
2011	Bronze Medal at Akdeniz University Math Olympics

Languages and Computer Skills

Languages — **Turkish** (Native), **English** (Fluent), **Arabic** (Beginner)

Programming — **Python** (Advanced, *synloc*), **R** (Advanced), **Stata** (Advanced), **Julia** (Intermediate) **Matlab** (Intermediate), **SQL** (Intermediate), **PHP** (Intermediate)

Other

Podcasting: On education philosophy. (Cahil Hoca - in Turkish)
Chess: My Lichess account.