

Sushil Mathew

RESEARCH AND TEACHING ASSISTANT

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🐦 @sushil_mathew

Education

University of Warwick

MSc ECONOMICS

Coventry, UK

Sept, 2020 - Sept, 2021

University of Warwick

PG DIPLOMA ECONOMICS

Coventry, UK

Sept, 2019 - July, 2020

Newcastle University

MSc SUBSEA ENGINEERING

Newcastle upon Tyne, UK

Sept, 2015 - Aug, 2016

National Institute of Technology

BTECH MECHANICAL ENGINEERING

Trichy, India

July, 2011 - May, 2015

Research

WORK IN PROGRESS

Changing body weight of adolescents in Great Britain: The role of fast-food

JOINT WITH YU AOKI AND WIJI ARULAMPALAM

January, 2022 - Present

- Modelling unobserved heterogeneities using machine learning; data visualisation and exploration through standard econometric methods; literature review in econometrics and statistics; data cleaning - longitudinal household survey data, administrative geographical data (Ordnance Survey, Office of National Statistics); manuscript drafting
- Computational experience: **Python**, **ArcGIS**, **Stata**, **LaTeX**

RESEARCH ASSISTANCE

Research Assistant | University of Warwick - Columbia Business School

Coventry, UK

INVESTIGATORS: FEDERICO ROSSI, TOMMASO PORZIO

October, 2021 - Present

- Project: Human capital, cohort-specific determinants of macroeconomic growth
- Exploratory statistical analyses; web scraping; data harmonization of household and labour force data for a large sample of countries and time periods; data quality control; data visualisation; coordination with data providers; manuscript drafting.
- Computational experience: **Python**, **Stata**, **R**, **LaTeX**

Research Assistant | University of Warwick

Coventry, UK

INVESTIGATOR: SONIA BHALOTRA

May - October, 2021

- Projects: Climate and domestic violence, Determinants of Child Mortality
- Summary: Statistical analyses, Data management of large data, wrangling of temperature data, literature review, coordination with international co-authors, **LaTeX** presentation preparation for seminars and workshops.
- Computational experience: Version control on **GitHub**, **Stata**, **R**, **LaTeX**, Data formats such as JSON and netCDF

MSc DISSERTATION

MSc Dissertation | University of Warwick

Coventry, UK

SUPERVISOR: WIJI ARULAMPALAM

May - September, 2021

- Project: Female autonomy and Child Mortality in India: Evidence through statistical learning
- Summary: Research design, Machine learning, Descriptive econometric analysis, Data harmonization from multiple sources
- Computational experience: **Stata**, **LaTeX**

MSc Dissertation | Newcastle University

SUPERVISOR: NARAKORN SRINIL

Newcastle upon Tyne, UK

December, 2015 - August, 2016

- Project: Analysis of multi-phase flow through a weakly supported pipeline
- Summary: **Numerical methods for solving fluid and structural dynamics models**, simulations
- Skills: Matlab, C++

GROUP MEMBERSHIPS AND AFFILIATIONS

Centre for Competitive Advantage in the Global Economy (CAGE - Warwick), Macroeconomics and International Economics Research Group (Warwick), Econometrics and Labour (Warwick)

Teaching

Spring 2022	Statistical Techniques Teaching Assistant, Economics UG Year 1 University of Warwick
Spring 2022	Introductory Microeconomics Teaching Assistant, Economics UG Year 1 University of Warwick
Autumn 2021	Introductory Microeconomics Teaching Assistant, Economics UG Year 1 University of Warwick

Awards

2022 **Teaching Excellence Award** | Department of Economics, University of Warwick

2022 **Warwick Award for Personal Tutor Excellence (Nominated)** | University of Warwick

Non-academic Experience

COURSE REPRESENTATIVE

2020 - 2021	MSc Economics, University of Warwick Led discussions with Course Management Faculty to communicate and implement feedback between members of the MSc Economics cohort and the management, leading to the introduction of an optional module on Real Analysis.	Coventry, UK
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FIELD ENGINEER

2016 - 2019	McDermott International Junior Project Manager for the Marine Field Engineering division. Negotiated terms of contract with clients and sub-contractors. Represented McDermott at various international locations - Indonesia, India, Oman and Saudi Arabia.	Dubai, UAE
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Referees

Wiji Arulampalam

Department of Economics
University of Warwick

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Federico Rossi

Department of Economics
University of Warwick

✉ Federico.Rossi@warwick.ac.uk