



RESEARCH FELLOW

DEPARTMENT/UNIT	Econometrics and Business Statistics
FACULTY/DIVISION	Faculty of Business and Economics
CLASSIFICATION	Level A
DESIGNATED CAMPUS OR LOCATION	Caulfield campus

ORGANISATIONAL CONTEXT

Everyone needs a platform to launch a satisfying career. At Monash, we give you the space and support to take your career in all kinds of exciting new directions. You'll have access to quality research, infrastructure and learning facilities, opportunities to collaborate internationally, as well as the grants you'll need to publish your work. We're a university full of energetic and enthusiastic minds, driven to challenge what's expected, expand what we know, and learn from other inspiring, empowering thinkers. Discover more at www.monash.edu.

The **Monash Business School** operates across all three Australian campuses (Caulfield, Clayton and Peninsula) and, together with the business school in Malaysia, makes up Monash University's Faculty of Business and Economics. It is structured into seven discipline-based departments (Accounting, Banking and Finance, Business Law and Taxation, Econometrics and Business Statistics, Economics, Management, and Marketing) along with the specialist Leadership and Executive Education unit and a number of research centres, units and groups in specialist areas such as behavioural economics, development economics, employment and work, finance, global business, and retail studies. To learn more about the Monash Business School, please visit our website, www.monash.edu/business.

The **Department of Econometrics and Business Statistics** is recognised worldwide for the quality of its research and teaching and has been designated by Monash as an area of outstanding strength, 'demonstrably preeminent relative to other Australian universities and competitive with the strongest international equivalents'. In the Excellence in Research for Australia assessment conducted by the Australian Research Council in 2018, Monash University received a rank of 5, which is the highest possible rank, in Econometrics. In the top 10% of institutions in the field of Econometrics ranked by IDEAS (a Research Papers in Economics service maintained by the Federal Reserve Bank of St. Louis, USA) the Department appears among the best institutions in the world.

We provide the quantitative training in the Bachelor of Business, the Bachelor of Commerce, as well as several Masters by Coursework programs and we offer a comprehensive curriculum at the undergraduate and at two postgraduate levels in theoretical and applied econometrics, business statistics and actuarial studies. Many of our senior staff are editors and associate editors of reputable academic journals in econometrics and statistics and we enjoy significant success in gaining grants and contract research. For more information about our Department and the work we do, please visit our website: www.monash.edu/business/ebs.

POSITION PURPOSE

A Level A research-only academic is expected to contribute towards the research effort of the University and to develop their research expertise through the pursuit of defined projects relevant to the particular field of research.

The successful candidate will participate in an Australian Research Council (ARC) funded project entitled "New methods for modelling complex trends in climate and energy time series", which aims to contribute to Australian and international efforts on emission control by advancing the methods for quantifying the relationships between energy production, emission and climate, and assessing the real and financial risks associated with changing the ways in which economies produce and use energy.

Reporting Line: The position reports to the First Investigator of the Discovery Project Grant # DP200102769

Supervisory Responsibilities: Not Applicable

Financial Delegation: Not Applicable

Budgetary Responsibilities: Not Applicable

KEY RESPONSIBILITIES

Specific duties required of a Level A research-only academic may include:

1. The conduct of research under limited supervision either as a member of a team or, where appropriate, independently and the production or contribution to the production of conference and seminar papers and publications from that research
2. Involvement in professional activities including, subject to availability of funds, attendance at conferences and seminars in the field of expertise
3. Limited administrative functions primarily connected with the area of research of the academic
4. Development of a limited amount of research-related material for teaching or other purposes with appropriate guidance from other staff
5. Attendance at meetings associated with research or the work of the organisational unit to which the research is connected and/or at departmental, school and/or faculty meetings and/or membership of a limited number of committees
6. Advice within the field of the staff member's research to postgraduate students

KEY SELECTION CRITERIA

Education/Qualifications

1. The appointee will have:
 - a doctoral qualification in econometrics, statistics or a closely related field

Knowledge and Skills

2. Demonstrated analytical and manuscript preparation skills
3. Ability to solve complex problems by using discretion, innovation and to exercise diagnostic skills and/or expertise
4. Well-developed planning and organisational skills, with the ability to prioritise multiple tasks and set and meet deadlines

5. Excellent written communication and verbal communication skills with proven ability to produce clear, succinct reports and documents
6. A demonstrated awareness of the principles of confidentiality, privacy and information handling
7. A demonstrated capacity to work in a collegiate manner with other staff in the workplace
8. Demonstrated computer literacy and proficiency in the use of software, with the capability and willingness to learn new packages and programming as appropriate
9. Excellent skills in coding and data analysis (preferably in Matlab, R or a related programming language) that incorporates computationally intensive methods
10. A background in mathematics, economics, finance, time series or forecasting, together with specific interest in developing policy related to climate change abatement

OTHER JOB RELATED INFORMATION

- Travel to other campuses of the University may be required
- There may be a requirement to work additional hours from time to time
- There may be peak periods of work during which taking of leave may be restricted

GOVERNANCE

Monash University expects staff to appropriately balance risk and reward in a manner that is sustainable to its long-term future, contribute to a culture of honesty and integrity, and provide an environment that is safe, secure and inclusive. Ensure you are aware of and adhere to University policies relevant to the duties undertaken and the values of the University. This is a standard which the University sees as the benchmark for all of its activities in Australia and internationally.