SENIOR LECTURER

DEPARTMENT/UNIT	Econometrics and Business Statistics
FACULTY/DIVISION	Faculty of Business and Economics
CLASSIFICATION	Level C
DESIGNATED CAMPUS OR LOCATION	Clayton or 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) as well as a number of research centres, units and groups in specialist areas such as behavioural economics, development economics, employment and work, 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. A defining characteristic of the research conducted by the Department is the development of cutting-edge new methodology and theoretical results in econometrics and statistics, and the translation of new methodology into open source software. Consistent with their expertise, departmental staff also provide training for a high proportion of all PhD students in econometrics and business statistics in Australia.

As a testament to the quality of the Department's research output, Monash was given the highest possible rating (5) in Econometrics in the 2012, 2015 and 2018 Excellence in Research for Australia assessments conducted by the Australian Research Council (ARC). The Department is ranked in the top 10 institutions in the fields of Econometrics, Time Series and Forecasting by IDEAS (a Research Papers in Economics service maintained by the Federal Reserve Bank of St. Louis, USA).

We provide the quantitative training in the Bachelor of Business, the Bachelor of Commerce, the Bachelor of Economics, the Bachelor of Finance and the Bachelor of Actuarial Science, as well as several Masters by Coursework programs, and we offer a comprehensive curriculum at the undergraduate and postgraduate levels in theoretical and applied econometrics, business analytics 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 competitive ARC grants, industry-based grants, and contract research. For more information about our Department and the work we do, please visit our website: www.monash.edu/business/ebs.

Business Analytics is a well-established discipline in the Department with a strong statistical foundation, and an emphasis on statistical modelling and data analysis. Our Bachelor of Commerce includes a major in business analytics that is accredited by the Statistical Society of Australia, and we also have a Master of Business Analytics. The department has a high level of engagement with industry practitioners as well as nationally and internationally recognised research activities. We are also closely involved with the open source software movement, including the R foundation, and we have a focus on analytics with a social good.

POSITION PURPOSE

A Level C academic is expected to make significant contributions to the teaching effort of a department, school, faculty or other organisational unit or an interdisciplinary area. An academic at this level is also expected to play a major role in scholarship, research and/or professional activities.

The fields of specialisation for this role are statistics or a closely related discipline. Preference will be given to candidates with expertise in one of the following areas: machine learning, statistical computing, data visualisation, computational statistics, data science, or operational research.

Reporting Line: The position reports to the Professor in the Discipline area

Supervisory Responsibilities: Not applicable

Financial Delegation: Not applicable

Budgetary Responsibilities: Not applicable

KEY RESPONSIBILITIES

Specific duties required of a Level C academic may include:

1. The conduct of research and activities to promote research impact

2. Significant role in research projects including, where appropriate, leadership of a research team

3. The preparation and delivery of lectures, workshops and seminars

4. The conduct of tutorials, practical classes, demonstrations, and workshops

5. Initiation and development of course material

6. Course coordination

7. Marking and assessment

8. Consultation with students

9. Supervision of the research projects of honours students or of postgraduate students engaged in course work

10. A range of administrative functions as required

11. Attendance at departmental, school and/or faculty meetings and/or membership of a number of committees

12. Other duties as directed from time to time

KEY SELECTION CRITERIA

Education/Qualifications

1. The appointee will have:

   - a doctoral qualification in statistics, data science, machine learning, operational research, or a closely related discipline, or equivalent accreditation and standing and/or recognised significant experience in the relevant discipline area.

Knowledge and Skills

2. Demonstrated publication record in high-quality refereed journals, conferences, textbooks or teaching resources

3. Demonstrated ability in undertaking outstanding research, including an active research interest in at least one of machine learning, statistical computing, visualization, computational statistics, data science, or operational research

4. Proven record of obtaining significant external grants for research

5. Demonstrated record of successfully supervising postgraduate research students

6. Demonstrated strong record of teaching experience in a tertiary environment including course coordination

7. Enthusiasm for developing innovative curriculum material and an ability to work positively and cooperatively with students

8. Demonstrated ability to motivate, actively engage and educate a given audience

9. A demonstrated capacity to work in a collegiate manner with other staff in the workplace

10. An ability to work within inter-disciplinary teams and with external organizations including industry partners

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
- A current satisfactory Working With Children Check is required

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.