



RESEARCH FELLOW

DEPARTMENT/UNIT	School of Mathematical Sciences
FACULTY/DIVISION	Faculty of Science
CLASSIFICATION	Level B
WORK LOCATION	Clayton 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 five Schools of the **Faculty of Science** offer a large and diverse range of disciplines in undergraduate and postgraduate courses. Ten Schools from other university faculties contribute to science teaching at all levels, allowing students to choose their studies from physical, biological, biomedical, behavioural, environmental, mathematical and computer sciences. The Faculty of Science has a strong research reputation. The Faculty's research spans the theoretical to the applied, contributes to new knowledge and technologies, and challenges how we interact with the world. To learn more about the Faculty of Science, please visit our website: www.monash.edu/science/.

The **School of Mathematical Sciences** is one of the largest of the five Schools in the Faculty, and has close working collaborations with other Schools/Departments such as Physics and Astronomy, Earth, Atmosphere and Environment, Computer Science; and other faculties such as Business and Economics, Arts, Medicine, IT and Engineering. The School has strong links with outside institutions such as CSIRO, the Defence Science and Technology Organisation, and the National Australia Bank and a large number of research institutes and universities around the world.

This position is intended to work in and administer the Statistical Consulting Service that provides statistical consulting support and services to Monash staff and students to underpin excellent research (for further information, see <https://www.monash.edu/research/infrastructure/platforms-pages/statistical-consulting>).

POSITION PURPOSE

The Research Fellow will conduct independent and joint research and consulting within statistics, and carry out activities to develop their research expertise relevant to the particular field of mathematics. The Research Fellow will be required to manage the statistical consulting service, including designing training workshops, assigning consulting work to the team of consultants, and undertaking consulting work themselves. The position will also involve teaching in the form of statistical training workshops for HDR students.

Reporting Line: The position reports to a Professor

Supervisory Responsibilities: Not applicable

Financial Delegation: Not applicable

Budget Responsibilities: Not applicable

KEY RESPONSIBILITIES

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

1. Administrative functions primarily connected to the Statistical Consulting Service
2. The conduct of research either as a member of a team or independently and the production of conference and seminar papers and publications from that research
3. Contribution to the preparation or, where appropriate, individual preparation of research proposal submissions to external funding bodies
4. Involvement in professional activities including, subject to availability of funds, attendance at conferences and seminars in the field of expertise
5. Teaching in the form of training workshops and tutorials
6. Co-supervision or, where appropriate, supervision of major honours or postgraduate research projects within the field of the staff member's area of research
7. 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

KEY SELECTION CRITERIA

Education/Qualifications

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

Knowledge and Skills

2. Strong knowledge in Applied Statistics, including in topics such as hypothesis testing, regression, experimental design, data mining and questionnaire design and analysis
3. An emerging record of outstanding research publishing in journals, conference papers, reports or professional or technical papers
4. Ability to solve problems by using discretion, innovation and the exercise of high level diagnostic skills within areas of functional responsibility or professional expertise
5. Experience in supervising or working with honours or postgraduate students within the discipline
6. The ability to work both independently in a research environment and as part of an inter-disciplinary research team
7. High level organisational skills, with demonstrated capacity to establish and achieve goals
8. Excellent written communication and verbal communication skills with proven ability to effectively analyse information and produce clear, succinct reports and documents which requires interaction with others
9. A demonstrated capacity to work in a collegiate manner with other staff in the workplace
10. A record of successful development of research partnerships with external stakeholders that translate to funded collaborations through grants or commercial agreements

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

LEGAL COMPLIANCE

Ensure you are aware of and adhere to legislation and University policy relevant to the duties undertaken, including: Equal Employment Opportunity, supporting equity and fairness; Occupational Health and Safety, supporting a safe workplace; Conflict of Interest (including Conflict of Interest in Research); Paid Outside Work; Privacy; Research Conduct; and Staff/Student Relationships.