



Position Description

College/Division:	College of Science
Faculty/School/Centre:	Mathematical Sciences Institute
Department/Unit:	Mathematical Sciences Institute
Position Title:	Postdoctoral Fellow
Classification:	Academic Level A
Position No:	TBA
Responsible to:	Associate Director Research

PURPOSE STATEMENT:

The position exists within the Mathematical Sciences Institute, ANU College of Science. The Postdoctoral Fellow contributes to and undertakes research activities for the ARC Discovery Project grant "Dimension reduction and model selection for statistically challenging data" for which Professor Welsh, Dr Hui and Professor Mueller are Chief Investigators (CI).

KEY ACCOUNTABILITY AREAS:

Position Dimension & Relationships:

The Postdoctoral Fellow reports to Professor Welsh and works closely with the other two CIs of the project; Dr Hui at the Mathematical Sciences Institute, ANU and Professor Mueller at the School of Mathematics and Statistics, The University of Sydney. The appointee is also expected to work collegially with other members of the institute and to complement existing strengths in the Statistical Science Program.

Role Statement:

Under the direction of Professor Welsh and the other Chief Investigators of the project, the Postdoctoral Fellow's duties may include, but are not limited to:

- the conduct of research under limited supervision either as a team member, or where appropriate, independently, and the production or contribution to the writing of conference and seminar papers and publications from that research;
- involvement in professional activities including, subject to availability of funds, attendance at conferences and seminars in the field of expertise;
- some administrative functions primarily connected with the area of research of the academic;
- development of some research-related material for teaching or other purposes with appropriate guidance from other staff;
- occasional contributions to teaching in relation to his/her research project(s);
- experimental design, and operation of advanced laboratory and technical equipment or conduct of advanced research procedures;
- attendance at meetings associated with research or the work of the organisational unit to which the research is connected and/or at departmental and/or faculty meetings and/or membership of a limited number of committees;
- advice within the field of the staff member's research to postgraduate students; and
- other duties as allocated by the supervisor or the Vice-Chancellor consistent with the classification of the position.

A **Level A Academic** works with support, guidance and/or direction from staff classified at Level B and above and with an increasing degree of autonomy as the research academic gains in skill and experience.

Skill Base

A **Level A Academic** will normally have completed a PhD in the relevant discipline and/or have equivalent qualifications and/or research experience.

Research experience comprises contributions to publications, conference papers or reports that give evidence of research potential.

SELECTION CRITERIA:

1. A PhD in Statistics, or must have submitted PhD thesis in Statistics prior to starting employment, with a track record of independent research in the field of Statistical Science as evidenced by publications in peer-reviewed journals and conferences.
2. Potential for significant research discovery in Statistics. Research experience in methodological and theoretical statistics together with proven computing skills will be highly regarded.
3. Excellent oral and written English language skills and a demonstrated ability to communicate and interact effectively with a variety of staff and students in an academic environment and to foster respectful and productive working relationships with staff, students and colleagues at all levels.
4. Capacity to contribute to research through written publications and presentations, in particular in statistics.
5. A demonstrated high-level understanding of equal opportunity principles and a commitment to the application of these policies in a University context.

Supervisor Signature:**Date:**

Printed Name:

Professor P. Bouwknecht

Uni ID:**References:**[Academic Minimum Standards](#)