

POSITION DESCRIPTION

Academic Positions

(In addition to the Position Classification Standards)

Position Title: Research Fellow

Level: B

Faculty: Engineering and Information Sciences

Department: National Institute for Applied Statistics Research Australia

Primary Purpose of the Position:

This position will undertake various high-level research and consulting projects in statistical methodology. The position may involve a limited amount of teaching. Specific projects will include development and evaluation of statistical methods for environmental informatics, spatial-temporal data, and remote sensing.

Position Environment:

NIASRA is one of the research strengths of the university. It undertakes high-quality and high-impact research, consulting, and professional education and training. The position will primarily undertake research associated with projects led by Distinguished Professor Noel Cressie, which may involve collaboration with researchers in other institutions and organisations in Australia and internationally.

There are currently 22 staff members who work in Statistics, and over 16 PhD students and Masters students. NIASRA has four research Professors and extensive links with Australian and international research organisations: NIASRA has three connected major research themes: Environmental Informatics (led by Prof Cressie), Sample Survey Methodology (led by Prof Chambers), and Bioinformatics and Biometrics (led by Prof Cullis) and also undertakes research in Statistical Education and Financial Statistics. Prof David Steel is Director of NIASRA.

Major Accountabilities/Responsibilities:

Responsibilities		Outcome	Office Use Only
1.	Conduct research as part of ARC Discovery Project 2015 and other research and projects. This includes the production of publications in high-quality journals, high-impact reports, and conference and seminar papers	High quality research papers and other research outputs	
2.	Liaise with the research and support staff involved in the projects at UOW and other institutions and organisations	Effective liaison with relevant staff	
3.	Contribute to the preparation, or where appropriate, individual preparation of research-proposal submissions to external funding bodies	Submission of proposals	
4.	Involvement in professional activities including, subject to availability of funds, attendance at conferences and seminars in statistical methodology and substantive areas of environmental informatics	Attendance at conferences	
5.	Administrative functions connected with the research projects and attendance at relevant research meetings	Effective administration of the statistical component of the project	
6.	Limited contributions to the teaching program, preparation and delivery of short courses and professional education, and	Subjects and courses delivered effectively and consulting projects	

	contributions to consulting projects in statistical methods	completed	
7.	Supervisory roles: Communicate and consult with staff on workplace and staffing matters	To foster direct relationships with staff and enhance engagement within the University.	
8.	Observe principles and practices of Equal Employment Opportunity	To ensure fair treatment in the workplace	
9.	Have WH&S responsibilities, accountabilities, and authorities as outlined in the http://staff.uow.edu.au/ohs/commitment/responsibilities/document	To ensure a safe working environment for self and others.	

Reporting Relationships:

Position Reports to:	Prof Noel Cressie
The position supervises the following positions:	None
Other Key Contacts:	Prof David Steel, Director NIASRA Prof Song-Ping Zhu, HOS Research project sponsors and leaders in partner organisations

Key Relationships:

Contact/Organisation:

Research partners involved in projects
School of Mathematics and Applied Statistics

UOW Office of Research

Purpose & Frequency of contact

Coordination of research plans and activities
For financial, administrative, and technological support as required
As required for administration and reporting

Key Challenges:

1. Ensuring timely and effective completion of research projects and associated publications
2. Ensuring a balance of activities to maximise research quality, research outputs (e.g., publications), and submission of new grant applications
3. Working with a variety of people at different levels across the research partners

Knowledge & Skills:

Essential:

- Demonstrated strong research potential in an area of statistics compatible with undertaking research in statistical methods for environmental informatics, spatio-temporal data, and remote sensing
- Strong computational skills
- Ability to undertake complex analysis of large-scale data sets
- Strong organisational skills
- Strong written and oral communication skills, including formal report writing skills and preparation of manuscripts for publication in academic journals in a timely manner
- The ability to complete projects and write up the results in publishable form

Education & Experience:

Essential:

- A PhD in a relevant area of Statistics (if not held, then an offer will be contingent upon submission)
- Experience in undertaking statistical research
- Experience in writing up the results of statistical projects, including research and/or consultancy projects

Personal Attributes:

- Timely, proactive, independent, approachable, and enthusiastic
- Ability to work harmoniously and effectively as a member of a team
- High ethical and professional standards

Organisational Chart:

Prof Noel Cressie

Research Fellow, Level B

Roles and Responsibilities in Relation to Workplace Health and Safety:

The University of Wollongong is committed to providing a safe and healthy workplace for its workers, students and visitors. All members of the University community have a collective and individual responsibility to work safely and be engaged in activities to help prevent injuries and illness.

In addition to the major accountabilities/responsibilities required for your position, you also hold the following roles and responsibilities in relation to Workplace Health and Safety:

All Staff

- Take reasonable care for your health and safety as well as others.
- Comply with any reasonable instruction by the University.
- Cooperate with any reasonable policies and procedures of the University including reporting of hazards or incidents via the University reporting process.
- Certain staff have specific responsibilities for Work Health and Safety (WHS), further information is available in the document [Roles And Responsibilities for WHS](#) and [WHS Management System](#).
- Ensure work area, equipment and practices are compliant with applicable legislation, standards, codes of practice and University guidelines.
- Ensure risk management activities are undertaken to minimise WHS risk including hazard and incident reporting, risk assessment and safe work procedures.
- Provide the necessary instruction, information, induction, training and supervision to enable work to be carried out safely.
- Ensure Work Health and Safety (WHS) activities and requirements are implemented for area as outlined in the [Roles And Responsibilities for WHS](#) and [WHS Management System](#).

Inherent Requirements:

This position description outlines the major accountabilities/responsibilities and the selection criteria against which you will be assessed as suitable for the position. As such there will be specific job requirements that we refer to as Inherent Requirements.

Inherent Requirements refer to your ability to:

- Perform the essential duties and functional requirements of the job;
- Meet the productivity and quality requirements of the position;
- Work effectively in the team or other type of work organisation concerned; and
- Do the job without undue risk to your own or others health, safety and welfare at work.

If you have any injuries, illness, disorder, impairment, condition or incapacity that may affect your ability to perform the inherent requirements of the position, we encourage you to discuss this with the University to assist in the process of identifying reasonable adjustments to enable you to perform the duties of the position. The University wants to place you in the best situation to use your skills effectively in the position you are applying for at the University.