



**Australian
National
University**

Position Description

College/Division:	College of Health and Medicine
Faculty/School/Centre:	Research School of Population Health
Department/Unit:	
Position Title:	Biostatistician/Applied Statistician
Classification:	Academic level C
Position No:	TBA
Responsible to:	Head, Department
Number of positions that report to this role:	1
Delegation(s) Assigned:	n/a

PURPOSE STATEMENT:

The Research School of Population Health (RSPH) at The Australian National University (ANU) is a leading centre of population health research in Australia. RSPH researchers have a tradition of excellence in addressing the world's most pressing population health issues, including healthy ageing, chronic disease prevention, infectious disease prevention, environmental health, social and cultural aspects of health, mental health, and global health. The School is multidisciplinary and has strengths in qualitative and quantitative research, the latter including biostatistics, epidemiology, econometrics, psychometrics and applied statistics.

KEY ACCOUNTABILITY AREAS:

Position Dimension & Relationships:

The Biostatistician/Applied Statistician/Econometrician will report to the Head of a Centre/Department in the School (dependent on their research area), but will contribute to research and education across RSPH. The position will maintain and strengthen the School's research leadership and capacity through research and practice in biostatistics and/or applied statistics (such as econometrics) for population health research, including on national and international competitive research grants in collaboration with researchers at the School. A major focus of the position will be leadership of the Data Analysis for Population Health Hub, which aims to build capacity in multidisciplinary data analytic research methods and skills, including both quantitative and qualitative. The position includes participation in the School's teaching program and supervision of research students across RSPH.

Role Statement:

In their role as an Academic Level C the Biostatistician/Applied Statistician is expected to:

- Undertake high impact independent research in the area with a view to publishing original and innovative results in international refereed journals, present research at academic seminars and at national and international conferences, and collaborate with other researchers at a national and/or international level.
- Actively seek and secure external funding including the preparation and submission of research proposals to external funding bodies.
- Provide expertise in methods across one or more areas of longitudinal modelling, mixed methods research, econometrics and modelling, meta-regression, and knowledge discovery from data;
- Provide leadership in the delivery and evaluation of biostatistics/applied statistics education as well as data analysis for Population Health hub across RSPH, including training and upskilling of researchers and building internal and external engagement
- Collaborate with a range of research groups within the Centre and RSPH;
- Make a strong contribution to the teaching activities of the School at the undergraduate and graduate levels. This includes, but is not limited to, the preparation and delivery of lectures and tutorials, the preparation of online material, marking and assessment, consultations with students, acting as a subject coordinator, the initiation and development course/subject material and actively lead overall development of courses in the discipline.

- Lead, supervise and develop less senior academic and research support staff in your research area.
- Proactively contribute to all aspects of the operation of the School and College. This may include representation through committee memberships.
- Lead outreach activities including to prospective students, research institutes, industry, government, the media and the general public.
- Maintain and actively promote high academic standards in all education, research and administration endeavours.
- Take responsibility for their own workplace health and safety and not willfully place at risk the health and safety of another person in the workplace.
- A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.
- Other duties as required that are consistent with the classification of the position.

Skill Base

A Level C academic will make a significant contribution to the discipline at the national level. In research and/or scholarship and/or teaching they will make original contributions, which expand knowledge or practice in their discipline.

A Level C academic will normally make a significant contribution to research and/or scholarship and/or teaching and administration activities of an organisational unit or an interdisciplinary area at undergraduate, honours and postgraduate level. The academic will normally play a major role or provide a significant degree of leadership in scholarly, research and/or professional activities relevant to the profession, discipline and/or community and may be required to perform the full academic responsibilities of and related administration for the coordination of a large award program or a number of smaller award programs of the institution.

SELECTION CRITERIA:

1. A PhD in biostatistics, applied statistics and/or a related area, with a strong track record of independent research in the field as evidenced by cited publications in peer-reviewed journals and conferences, a record of developing and maintaining collaborations and by other measures such as awards, and invitations to present at prominent conferences etc.
2. A track record of articulating and prosecuting innovative research in quantitative research methods and the application of applied statistics, biostatistics or econometrics to population health research.
3. A record of winning bids for competitive external funding to support individual and collaborative research activities.
4. A track record of successfully supervising and graduating high quality PhD/Masters research students
5. Demonstrated ability to lead and work as part of a team, significantly contributing to team management and a demonstrated ability to meet deadlines.
6. Excellent oral and written English language skills and a demonstrated ability to communicate and interact effectively with a variety of staff and students in a cross-disciplinary academic environment and to foster respectful and productive working relationships with staff, students and colleagues at all levels.
7. A demonstrated understanding of equal opportunity principles and policies and a commitment to their application in a university context.

Supervisor/Delegate Signature:		Date:	
Printed Name:		Uni ID:	

References:

[General Staff Classification Descriptors](#)

[Academic Minimum Standards](#)



Australian
National
University

Pre-Employment Work Environment Report

Position Details

College/Div/Centre	CHM	Dept/School/Section	RSPH
Position Title	Biostatistician/Applied Statistician	Classification	C
Position No.		Reference No.	

In accordance with the Occupational Health and Safety Act 1991 the University has a duty of care to provide a safe workplace for all staff.

- This form must be completed by the supervisor of the advertised position and forwarded with the job requisition to Appointments and Promotions Branch, Human Resources Division. Without this form jobs cannot be advertised.
- This form is used to advise potential applicants of work environment issues prior to application.
- Once an applicant has been selected for the position consideration should be given to their inclusion on the University's Health Surveillance Program where appropriate – see . http://info.anu.edu.au/hr/OHS/___Health_Surveillance_Program/index.asp
Enrolment on relevant OHS training courses should also be arranged – see http://info.anu.edu.au/hr/Training_and_Development/OHS_Training/index.asp
- 'Regular' hazards identified below must be listed as 'Essential' in the Selection Criteria - see ' Employment Medical Procedures' at http://info.anu.edu.au/Policies/_DHR/Procedures/Employment_Medical_Procedures.asp

Potential Hazards

- Please indicate whether the duties associated with appointment will result in exposure to any of the following potential hazards, either as a **regular** or **occasional** part of the duties.

TASK	regular	occasional	TASK	regular	occasional
key boarding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	laboratory work	<input type="checkbox"/>	<input type="checkbox"/>
lifting, manual handling	<input type="checkbox"/>	<input type="checkbox"/>	work at heights	<input type="checkbox"/>	<input type="checkbox"/>
repetitive manual tasks	<input type="checkbox"/>	<input type="checkbox"/>	work in confined spaces	<input type="checkbox"/>	<input type="checkbox"/>
catering / food preparation	<input type="checkbox"/>	<input type="checkbox"/>	noise / vibration	<input type="checkbox"/>	<input type="checkbox"/>
fieldwork & travel	<input type="checkbox"/>	<input type="checkbox"/>	electricity	<input type="checkbox"/>	<input type="checkbox"/>
driving a vehicle	<input type="checkbox"/>	<input type="checkbox"/>			
NON-IONIZING RADIATION			IONIZING RADIATION		
solar	<input type="checkbox"/>	<input type="checkbox"/>	gamma, x-rays	<input type="checkbox"/>	<input type="checkbox"/>
ultraviolet	<input type="checkbox"/>	<input type="checkbox"/>	beta particles	<input type="checkbox"/>	<input type="checkbox"/>
infra red	<input type="checkbox"/>	<input type="checkbox"/>	nuclear particles	<input type="checkbox"/>	<input type="checkbox"/>
laser	<input type="checkbox"/>	<input type="checkbox"/>			
radio frequency	<input type="checkbox"/>	<input type="checkbox"/>			
CHEMICALS			BIOLOGICAL MATERIALS		
hazardous substances	<input type="checkbox"/>	<input type="checkbox"/>	microbiological materials	<input type="checkbox"/>	<input type="checkbox"/>
allergens	<input type="checkbox"/>	<input type="checkbox"/>	potential biological allergens	<input type="checkbox"/>	<input type="checkbox"/>
cytotoxics	<input type="checkbox"/>	<input type="checkbox"/>	laboratory animals or insects	<input type="checkbox"/>	<input type="checkbox"/>
mutagens/teratogens/ carcinogens	<input type="checkbox"/>	<input type="checkbox"/>	clinical specimens, including blood	<input type="checkbox"/>	<input type="checkbox"/>
pesticides / herbicides	<input type="checkbox"/>	<input type="checkbox"/>	genetically-manipulated specimens	<input type="checkbox"/>	<input type="checkbox"/>
			immunisations	<input type="checkbox"/>	<input type="checkbox"/>
OTHER POTENTIAL HAZARDS (please specify):					

Supervisor's Signature:		Print Name:		Date:	
--------------------------------	--	--------------------	--	--------------	--

	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;"> Australian National University </div> <div style="text-align: right;"> <h1 style="margin: 0;">Position Description</h1> </div> </div>
--	--

College/Division:	ANU College of Health & Medicine
Faculty/School/Centre:	Research School of Population Health
Department/Unit:	
Position Title:	Biostatistician/Applied Statistician
Classification:	Level D
Position No:	TBA
Responsible to:	Head, Department
Number of positions that report to this role:	1
Delegation(s) Assigned:	n/a

PURPOSE STATEMENT:

The Research School of Population Health (RSPH) at The Australian National University (ANU) is a leading centre of population health research in Australia. RSPH researchers have a tradition of excellence in addressing the world's most pressing population health issues, including healthy ageing, chronic disease prevention, infectious disease prevention, environmental health, social and cultural aspects of health, mental health, and global health. The School is multidisciplinary and has strengths in qualitative and quantitative research, the latter including biostatistics, epidemiology, econometrics, psychometrics and applied statistics.

KEY ACCOUNTABILITY AREAS:

Position Dimension & Relationships:

The Biostatistician/Applied Statistician/Econometrician will report to the Head of a Centre/Department in the School (dependent on their research area), but will contribute to research and education across RSPH. The position will maintain and strengthen the School's research leadership and capacity through research and practice in biostatistics and/or applied statistics (such as econometrics) for population health research, including on national and international competitive research grants in collaboration with researchers at the School. A major focus of the position will be leadership of the Data Analysis for Population Health Hub, which aims to build capacity in multidisciplinary data analytic research methods and skills, including both quantitative and qualitative. The position includes participation in the School's teaching program and supervision of research students across RSPH.

Role Statement:

In their role as an Academic Level D the Biostatistician/Applied Statistician is expected to:

1. Undertake high impact independent research in the area with a view to publishing original and innovative results in international refereed journals, present research at academic seminars and at prestigious national and international conferences, and collaborate with other researchers at an international level.
2. Actively seek and secure external funding including the preparation and leadership of major multi party collaborative research proposals.
3. Provide expertise in methods across one or more areas of longitudinal modelling, mixed methods research, econometrics and modelling, meta-regression, and knowledge discovery from data;
4. Provide leadership in the delivery and evaluation of biostatistics/applied statistics education as well as data analysis for Population Health hub across RSPH, including training and upskilling of researchers and building internal and external engagement
5. Collaborate with a range of research groups within the Centre and RSPH;
6. Make a strong contribution to the teaching activities of the School at the undergraduate and graduate levels. This includes, but is not limited to, the preparation and delivery of lectures and tutorials, the preparation of online material, marking and assessment, consultations with students, acting as a subject coordinator, the initiation and development course/subject material and actively lead overall curriculum development in the discipline and across the College.
7. Supervise students working on individual or group projects at undergraduate, honours, graduate-coursework levels. Supervision of research students.

8. Lead, supervise and develop less senior academic and research support staff in the School.
9. Proactively contribute to all aspects of the operation of the School, College and University. This may include taking on broader leadership and supervisory roles.
10. Lead and initiate community outreach activities including to prospective students, research institutes, industry, government, the media and the general public.
11. Maintain and actively promote high academic standards in all education, research and administration endeavours undertaken by the School, the College and the University.
12. Take responsibility for their own workplace health and safety and not willfully place at risk the health and safety of another person in the workplace and a commitment to the application of EO policies in a university context.
13. Other duties as required that are consistent with the classification of the position.

Skill Base

A Level D academic will normally make an outstanding contribution to the research and/or scholarship and/or teaching and administration activities of an organisational unit, including a large organisational unit, or interdisciplinary area.

A Level D academic will make an outstanding contribution to the governance and collegial life inside and outside of the institution and will have attained recognition at a national or international level in their discipline. The academic will make original and innovative contributions to the advancement of scholarship, research and teaching in their discipline.

SELECTION CRITERIA:

1. A PhD in in biostatistics, applied statistics and/or a related area, with an excellent record of independent research in the field as evidenced by highly cited publications in leading peer-reviewed journals and conferences, a record of developing and maintaining collaborations with world leading researchers and institutes and by other measures such as prestigious awards, invitations to give keynote addresses at leading conferences, elite membership of professional institutes etc.
2. A strong track record of articulating and prosecuting innovative research in quantitative research methods and the application of applied statistics, biostatistics or econometrics to population health research.
3. A strong record of leading and winning bids for competitive external funding to support individual and collaborative research activities, and the ability to identify similar opportunities for others to pursue and to provide mentoring in the process.
4. Evidence of effective teaching at all levels and of the ability to contribute significantly to setting the education agenda of the School in the area.
5. A strong track record of successfully supervising and graduating high quality PhD/Masters research students as evidenced by, for example, the subsequent positions held by these students.
6. Demonstrated experience in providing academic leadership and a demonstrated ability to mentor and develop colleagues to achieve goals.
7. Excellent oral and written English language skills and a demonstrated ability to communicate and interact effectively with a variety of staff and students in a cross-disciplinary academic environment and to foster respectful and productive working relationships with staff, students and colleagues at all levels.
8. A demonstrated high level understanding of equal opportunity principles and a commitment to the application of EO policies in a university context.

Delegate Signature:

Date:

Printed Name:

Position:

References:

[Academic Minimum Standards](#)



Australian
National
University

Pre-Employment Work Environment Report

Position Details

College/Div/Centre	CHM	Dept/School/Section	RSPH
Position Title	Biostatistician/Applied Statistician	Classification	D
Position No.		Reference No.	

In accordance with the Occupational Health and Safety Act 1991 the University has a duty of care to provide a safe workplace for all staff.

- This form must be completed by the supervisor of the advertised position and forwarded with the job requisition to Appointments and Promotions Branch, Human Resources Division. Without this form jobs cannot be advertised.
- This form is used to advise potential applicants of work environment issues prior to application.
- Once an applicant has been selected for the position consideration should be given to their inclusion on the University's Health Surveillance Program where appropriate – see . http://info.anu.edu.au/hr/OHS/___Health_Surveillance_Program/index.asp
Enrolment on relevant OHS training courses should also be arranged – see http://info.anu.edu.au/hr/Training_and_Development/OHS_Training/index.asp
- 'Regular' hazards identified below must be listed as 'Essential' in the Selection Criteria - see 'Employment Medical Procedures' at http://info.anu.edu.au/Policies/_DHR/Procedures/Employment_Medical_Procedures.asp

Potential Hazards

- Please indicate whether the duties associated with appointment will result in exposure to any of the following potential hazards, either as a **regular** or **occasional** part of the duties.

TASK	regular	occasional	TASK	regular	occasional
key boarding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	laboratory work	<input type="checkbox"/>	<input type="checkbox"/>
lifting, manual handling	<input type="checkbox"/>	<input type="checkbox"/>	work at heights	<input type="checkbox"/>	<input type="checkbox"/>
repetitive manual tasks	<input type="checkbox"/>	<input type="checkbox"/>	work in confined spaces	<input type="checkbox"/>	<input type="checkbox"/>
catering / food preparation	<input type="checkbox"/>	<input type="checkbox"/>	noise / vibration	<input type="checkbox"/>	<input type="checkbox"/>
fieldwork & travel	<input type="checkbox"/>	<input type="checkbox"/>	electricity	<input type="checkbox"/>	<input type="checkbox"/>
driving a vehicle	<input type="checkbox"/>	<input type="checkbox"/>			
NON-IONIZING RADIATION			IONIZING RADIATION		
solar	<input type="checkbox"/>	<input type="checkbox"/>	gamma, x-rays	<input type="checkbox"/>	<input type="checkbox"/>
ultraviolet	<input type="checkbox"/>	<input type="checkbox"/>	beta particles	<input type="checkbox"/>	<input type="checkbox"/>
infra red	<input type="checkbox"/>	<input type="checkbox"/>	nuclear particles	<input type="checkbox"/>	<input type="checkbox"/>
laser	<input type="checkbox"/>	<input type="checkbox"/>			
radio frequency	<input type="checkbox"/>	<input type="checkbox"/>			
CHEMICALS			BIOLOGICAL MATERIALS		
hazardous substances	<input type="checkbox"/>	<input type="checkbox"/>	microbiological materials	<input type="checkbox"/>	<input type="checkbox"/>
allergens	<input type="checkbox"/>	<input type="checkbox"/>	potential biological allergens	<input type="checkbox"/>	<input type="checkbox"/>
cytotoxics	<input type="checkbox"/>	<input type="checkbox"/>	laboratory animals or insects	<input type="checkbox"/>	<input type="checkbox"/>
mutagens/teratogens/ carcinogens	<input type="checkbox"/>	<input type="checkbox"/>	clinical specimens, including blood	<input type="checkbox"/>	<input type="checkbox"/>
pesticides / herbicides	<input type="checkbox"/>	<input type="checkbox"/>	genetically-manipulated specimens	<input type="checkbox"/>	<input type="checkbox"/>
			immunisations	<input type="checkbox"/>	<input type="checkbox"/>
OTHER POTENTIAL HAZARDS (please specify):					

Supervisor's Signature:		Print Name:		Date:	
--------------------------------	--	--------------------	--	--------------	--