Australian National University

Position Description

College/Division:	College of Arts and Social Sciences
Faculty/School/Centre:	Research School of Social Sciences
Department/Unit:	ANU Centre for Social Research and Methods
Position Title:	Research Fellow (Data Scientist/ Computational Social Scientist/ Computational Economist)
Classification:	Level B
Position No:	TBC
Responsible to:	Professor Nicholas Biddle
Number of positions that report to this role:	N/A
Delegation(s) Assigned:	N/A

PURPOSE STATEMENT:

The ANU Centre for Social Research and Methods is seeking an expert in computational social science or computational economics to be a member of a cross-disciplinary research team. The applicant will work closely with senior staff in the centre to develop new and innovative research methods and apply them to key public policy issues, with a particular focus on the analysis of large linked datasets. The candidate will also work on independent research and grants/contracts with a policy focus. The successful application will be integral to the expansion of methods teaching within the ANU Centre for Social Research and Methods and the ANU more broadly.

KEY ACCOUNTABILITY AREAS:

Position Dimension & Relationships:

The applicant will work closely with senior staff in the centre to develop new and innovative research methods, with a particular focus on the analysis of large linked datasets. The successful candidate will work closely with the Director and Associate Director of the ANU Centre for Social Research and Methods to develop and deliver methods training, co-ordinating with other staff within the College. The candidate will also have the opportunity to work on independent research and be encouraged to collaborate with staff within the ANU Centre for Social Research and Methods and across the ANU.

Role Statement:

- Publish in local and international journals on research methods and their application, with a particular focus on computational social science
- Collaborate with colleagues on the application of data science methods to social science and related questions
- Seek out and/or work on externally funded contracts, with a particular focus on public policy orientated projects
- Represent the centre at international and national conference and forums
- Contribute to the analysis of large, linked datasets
- Teach or assist in the teaching of relevant undergraduate and/or postgraduate courses on research methods
- Supervise undergraduate or postgraduate students
- Contribute to the ANU Centre for Social Research under the direction of the Director and Deputy Director
- Comply with all ANU policies and procedures, and in particular those relating to work health and safety and equal opportunity

SELECTION CRITERIA:

1. A PhD or equivalent research experience in data science; computational social science or computational economics
2. A demonstrated ability to develop a research track record and to publish in relevant peer-reviewed academic journals
3. A demonstrated ability to work as part of a collaborative research team
4. Experience designing and teaching courses related to quantitative social science methodology, with relevant teaching reports, or a demonstrated interest in doing so
5. Capacity to undertake independent empirical research on computational social science methods
6. Demonstrated potential to attract research funds
7. Ability to write clearly for an academic and policy audience
8. A well-articulated research agenda over the next 2-3 years
1. A demonstrated understanding of equal opportunity (EO) principles and policies and a commitment to their application in a university context.

The ANU conducts background checks on potential employees, and employment in this position is conditional on satisfactory results in accordance with the [Background Checking Procedure](#) which sets out the types of checks required by each type of position.

Supervisor/Delegate Name:	Prof Nicholas Biddle	Date:	September 2021

References:
Professional Staff Classification Descriptors
Academic Minimum Standards

Pre-Employment Work Environment Report

Australian National University

Position Details

College/Div/Centre	College of Arts and Social Sciences	Dept/School/Section	ANU Centre for Social Research and Methods
Position Title	Research Fellow	**Classification**	Level B
Position No.		**Reference No.**	

In accordance with the Work Health and Safety Act 2011 (Cth) the University has a primary duty of care, so far as reasonably practicable, to ensure the health and safety of all staff while they are at work in the University.

- This form must be completed by the supervisor of the advertised position and appended to the back of the Position Description.

- This form is used to advise potential applicants of work environment and health and safety hazards prior to application.

- Once an applicant has been selected for the position they must familiarise themselves with the University WHS Management System via Handbook guidance https://services.anu.edu.au/human-resources/health-safety/whs-management-system-handbook

- The hazards identified below are of generic nature in relation to the position. It is not correlated directly to training required for the specific staff to be engaged. Identification of individual WHS training needs must be in accordance with WHS Local Training Plan and through the WHS induction programs and Performance Development Review Process.

- '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	☒	☐	laboratory work	☐	☐
lifting, manual handling	☐	☐	work at heights	☐	☐
repetitive manual tasks	☐	☐	work in confined spaces	☐	☐
Organizing events	☐	☐	noise / vibration	☐	☐
fieldwork & travel	☐	☐	electricity	☐	☐
driving a vehicle	☐	☐			
NON-IONIZING RADIATION			**IONIZING RADIATION**		
solar	☐	☐	gamma, x-rays	☐	☐
ultraviolet	☐	☐	beta particles	☐	☐
infra red	☐	☐	nuclear particles	☐	☐
laser	☐	☐			
radio frequency	☐	☐			
CHEMICALS			**BIOLOGICAL MATERIALS**		
hazardous substances	☐	☐	microbiological materials	☐	☐
allergens	☐	☐	potential biological allergens	☐	☐
cytotoxics	☐	☐	laboratory animals or insects	☐	☐
mutagens/teratogens/ carcinogens	☐	☐	clinical specimens, including blood	☐	☐
pesticides / herbicides	☐	☐	genetically-manipulated specimens	☐	☐
			immunisations	☐	☐

OTHER POTENTIAL HAZARDS (please specify):

Supervisor/Delegate Name:	Prof Nicholas Biddle	Date:	September 2021

For assistance please contact HR Operations: hr.services@anu.edu.au