RESEARCH FELLOW

DEPARTMENT/UNIT	Education Futures, Faculty of Education
FACULTY/DIVISION	Faculty of Education
CLASSIFICATION	Level B
WORK LOCATION	Clayton campus

ORGANISATIONAL CONTEXT

Monash is a university of transformation, progress and optimism. Our people are our most valued asset, with our academics among the best in the world and our professional staff revolutionising the way we operate as an organisation. For more information about our University and our exciting future, please visit www.monash.edu.

The **Faculty of Education** is nationally and internationally recognised for excellence in teaching and research. Operating across three campuses, we offer a diverse and innovative curriculum that responds to international and local community needs, producing graduates who lead professional practice, public debate, policy and community action around the world.

Among our programs are undergraduate and Masters teacher education degrees in early childhood, primary, secondary education, a wide range of postgraduate coursework and research degrees in education, counselling, psychology and educational and organisational leadership. We have a vibrant research culture, and we are known for our openness to multidisciplinary critical research and our commitment to finding solutions to the key educational problems of our time.

For more information about the Faculty, please visit our website: www.monash.edu/education.

POSITION PURPOSE

The Research Fellow will contribute to the research portfolio of the Faculty's 'Education Futures' initiative. We are looking for an outstanding researcher with high-level statistical and data analytics expertise who is keen to develop a career within the area of education research. The Research Fellow will be supported in developing their own research agenda in any area of education-related inquiry. They will also work with colleagues in Education Futures initiative - supporting the development of quantitative components of ongoing research, and also planning collaborative research proposals for external funding. The Research Fellow will also take a lead in building capacity in quantitative research across the Faculty – particularly amongst colleagues already involved with multivariate statistics. This is an opportunity to apply your statistical skills to tackling large-scale and deep-rooted educational problems – supported by one of the world's leading Faculties of Education.

Reporting Line: The position reports to a Professor

Supervisory Responsibilities: Not applicable

Financial Delegation: Not applicable

Budgetary Responsibilities: Not applicable

KEY RESPONSIBILITIES

Research

1. Contribute to publication of outputs through lead and co-authorship in international peer-reviewed publications

2. Generate new projects in any area of education research of your choice – involving innovative quantitative approaches and the multivariate analyses of large-scale data-sets

3. Undertake advanced statistical data analysis on existing datasets within the Faculty of Education - including co-authorship of reports of analysis and results

4. Contribute to collaborative funding applications involving colleagues within the Faculty of Education in mutual areas of interest - adding a high-quality quantitative component to research designs and analysis

5. Take a lead in building capacity in quantitative research, working with colleagues across the Faculty of Education

Supervision

6. Provide quality research supervision of higher degree research students as a co-supervisor

7. Provide academic mentoring to researchers in Education Futures on quantitative methodologies

Academic Leadership and Service

8. Convene a special interest group within the Faculty in the area of quantitative methodologies in education research

9. Increase the research profile of the Faculty of Education and Education Futures and contribute to collaborative research opportunities in consultation with the Education Futures Leadership team

10. Actively contribute to the intellectual life of the Institute, the Faculty of Education, and Monash University

KEY SELECTION CRITERIA

Education/Qualifications

1. The appointee will have:

   - A PhD in one or more of the following relevant research fields:
     - Education, psychology, economics and/or social science with a high statistics content
     - Social statistics, or statistics (with a focus on social research)

Knowledge and Skills

2. Evidence of strong research achievement in the area of quantitative/ statistically-driven research - as demonstrated by publication in high-quality peer-reviewed journals and other publications including chapters in books with prestigious publishers

3. Demonstrated experience in analysis of complex data sets through multivariate analysis (for example, multi-level regression, factor analysis). While we are not looking for expertise in any one specific type of analysis, we would expect familiarity with a broad range of multivariate approaches, alongside an interest in recent innovations in this area (for example, multi-level modelling, network approaches to psychometric data)

4. Demonstrated experience (or a willingness and capacity to learn) statistical software packages that are commonly used in education research – notably R and similar open source tools

5. Demonstrated success in working within a research team on competitive grants and/or research consultancies in the area of quantitative/ statistically-driven research

6. Demonstrated ability to work effectively as part of a research team and independently on solo, co-authored and research team publications

7. Demonstrated research knowledge, skill and experience, including demonstrated ability to utilise quantitative research methodologies and strong grounding in multivariate statistical techniques. This should include some experience with (or a willingness and capacity to learn) large-scale survey and experimental methodologies

8. A high level of oral and written communication skills, with demonstrated ability to translate research to a wide range of audiences within and beyond academia, including evidence of public and professional engagement

9. Experience in co-supervising Honours, Master's and PhD projects

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
- The incumbent is required to hold a current valid Working with Children's Check (employee)
- The incumbent is required to hold a current valid Police Check

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.