

Position Title: Senior Lecturer
Position Classification: Level C
Position Number: 316100
Faculty/Office: Engineering, Computing and Mathematics
School/Division: Mathematics and Statistics
Centre/Section:
Supervisor Title: Head of School
Supervisor Position Number: 303043

About the University

The University of Western Australia has an international reputation for excellence and enterprise and has been rated as one of the best comprehensive universities in Australia. It is one of the country's leading research institutions as demonstrated by our Nobel Laureate and is the only WA member of the prestigious "Group of Eight" research universities.

Vision and Values

The University of Western Australia vision is achieving international excellence.

Its core values underpinning our activities are a commitment to:

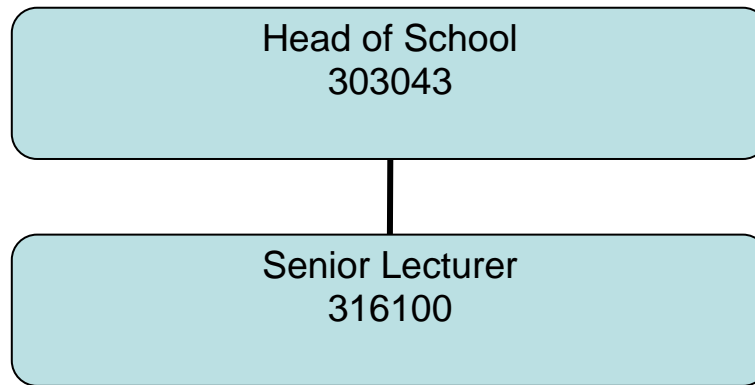
- A high performance culture designed to achieve international excellence
- Academic freedom to encourage staff and students to engage in the open exchange of ideas and thought
- Continuous improvement through self-examination and external review
- Fostering the values of openness, honesty, tolerance, fairness, trust and responsibility in social, moral and academic matters
- Transparency in decision making and accountability
- Equity and merit as the fundamental principles for the achievement of the full potential of all staff and students

All staff are expected to comply with the Code of Ethics and the University's Code of Conduct and demonstrate a commitment to its Equity and Diversity and Safety principles and the General Capabilities of personal effectiveness, working collaboratively and demonstrating a focus on results. Details of the University policies on these can be accessed at http://www.hr.uwa.edu.au/publications/code_of_ethics, <http://www.equity.uwa.edu.au> and <http://www.safety.uwa.edu.au/policies>.

About the work area

The School of Mathematics and Statistics has an established and dedicated team of teaching and research staff who engage in a multidisciplinary approach to provide pathways to incorporate mathematics and statistics into undergraduate and postgraduate studies and research. The Centre for Applied Statistics provides mathematical and statistical advice, promotes national and international collaboration and supports the discipline of statistics within the University.

Organisation chart



Role statement

The successful candidate will conduct high quality consulting and high impact research in Statistics and Data Science that contributes to the Faculty's initiative in Engineering for Remote Operations (ERO). The appointee will be expected the successful candidate is expected to become Director of the Centre of Applied Statistics, and to build a strong, internationally recognized research programme contributing to the existing research groups within the School and the Faculty, particularly in the areas of Applied Statistics and Data Science.

As a passionate advocate for teaching excellence the successful candidate will develop and deliver undergraduate and masters curricula that focus on Statistics, as well as contributing to the School, Faculty and University community by contributing to service activities.

Key responsibilities

- Conduct high quality research within the discipline of Statistics and Data Science under the Faculty's research initiatives; generate research output of high impact and international recognition, such as scholarly publications in high impact journals, standards for industrial practices and patents.
- Lead, develop and maintain statistical consulting expertise, contributing to the delivery of short courses and experience in an environment that provides statistical advice and support to HDR students.
- Lead, develop and maintain a strong, internationally recognized research programme in Applied Statistics and Data Science synergistic with the existing research groups within the School and the Faculty; attract research funding from the local and federal governments, industry and foreign funding agencies.
- Make a significant contribution to the development and delivery of world-class innovative teaching of Statistics and Data Science in the degree programmes of the School and the Faculty (including the Master of Data Science) at both the undergraduate and postgraduate levels.
- Supervise research students in statistics at both the undergraduate and postgraduate levels and post-doctoral research fellows. Attract and recruit quality postgraduate students and postdoctoral research fellows.
- Duly provide services in Applied Statistics and Data Science to the School, the Faculty and the University in its operation; develop and exercise leadership in its affairs; provide services to the government, the scholarly community and the broader public as required.
- Other duties as required.

Specific work capabilities (selection criteria)

- A PhD in a relevant field.
- Demonstrated teaching and learning expertise in the discipline of Applied Statistics and Data Science.
- Demonstrated track record in course development, engaging active learning techniques, and successful student evaluation (relative to opportunity).
- Research expertise in an area of Applied Statistics and Data Science supportive of the Faculty's initiatives.
- Demonstrated track record in academic peer-reviewed publications in international journals and grant writing success (both relative to opportunity).
- Experience in research collaboration between academia and industry will be considered favourably.
- Ability to work independently as well as collaboratively in a multi-disciplinary school.
- Demonstrated well-developed communication skills.