



Dr. Lyron Juan Winderbaum

Details

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Address

3 Hallett Avenue
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Australia

Employment History

Tutor

Mar 2012 - Present

(Maths Learning Centre, The University of Adelaide)

This role involves presenting complex information to people from a diverse range of backgrounds. It requires a high level of interpersonal skills and the ability to adapt material to different cultures and learning styles.

Postdoctoral Research Associate

Jan 2017 - Dec 2017

(Future Industries Institute, University of South Australia)

Extensive experience collaborating with experts in different fields and adapting statistical analyses to fulfill their needs. Experience leading and mentoring colleagues to implement improved data storage and reporting techniques to ensure a high standard of transparency and accountability. Role required high level analytical, research, and communication skills were required in order to develop, implement, and report on various multivariate statistical data analyses.

Research Associate

Aug 2015 - Dec 2016

(Adelaide Proteomics Centre, The University of Adelaide)

This role involved working under time-constraints to provide a high standard of service for customers. Experience developing and implementing software to improve work efficiency and provide quality assurance to customers. Also extensive collaboration with experts in different fields, particularly biomedical research, and adapting statistical analyses to different scenarios. Role required high level analytical, research, and communication skills were required in order to develop, implement, and report on various multivariate statistical data analyses.

Tutor

Mar 2012 - July 2015

(School of Mathematical Sciences, The University of Adelaide)

Experience teaching tutorials, supervising computer practicals, and marking assignments and exams under time-constraints.

Storeperson

Feb 2007 - Feb 2012

(Coles Supermarkets)

Retail and customer service experience.



Education (The University of Adelaide)

Master of Teaching

Jan 2018 - Present

Doctor of Philosophy in Statistics

Conferred: Dec 2016

Thesis titled "Statistical Treatment of Proteomic Imaging Mass Spectrometry Data" investigated datasets related to various cancers using statistical techniques such as principal component analysis, k-means clustering, and discriminant analysis. Collaboration with surgeons and biochemists resulting in the development of statistical methods relevant in their fields.

Honours in Statistics

Conferred: Dec 2011

Thesis titled "Multivariate Analysis of Trace Elements in Pyrite" developed methods through collaboration with geochemistry experts to investigate the relationships of interest to them. Methods such as hierarchical agglomerative cluster analysis and bootstrapping were adapted to produce results that were meaningful to the geologists.

Bachelor of Science (Chemistry)

Conferred: Mar 2011

**Bachelor of Computer and Mathematical Sciences
(Pure Mathematics and Statistics)**

Conferred: Dec 2010

Programming and Computer Skills

- Extensive experience with MATLAB, L^AT_EX, and R.
- Competency with Python, Java, Golang, C#, Ruby, Perl and Git.
- Familiarity with other popular software such as SAS/ SPSS.

Interests

Rockclimbing, hiking, cycling, puzzles and problem solving, go/igo/weiqi/baduk, machine learning, and reproducible reporting.

References

Associate Professor Inge Koch

Position: Executive Director,
Choose Maths
Relation: PhD Supervisor
Phone: +61 412 672 852
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Dr. David Butler

Position: Coordinator,
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