

RUSHANI DARSHIKA WIJESURIYA

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EDUCATION

- **Doctor of Philosophy (PhD) in Biostatistics** **2018 April-present**
The University of Melbourne, Australia
Thesis: Evaluation and development of multiple imputation approaches for dealing with incomplete three-level data
- **Bachelor of Science (BSc) in Statistics (Honours) – G.P.A: 3.68/4.00 (1st class)** **2012-2017**
University of Colombo, Sri Lanka
Undergraduate Thesis: Comparing the Performance of Randomization Tests and Traditional Tests: A Simulation Study
- **Chartered Institute of Management Accountants (CIMA) – United Kingdom** **2011-2015**
Exams Completed

EMPLOYMENT HISTORY

- **Centre for Epidemiology and Biostatistics** **2018 August- Present**
Melbourne School of Population and Global Health
The University of Melbourne, Australia
CASUAL ACADEMIC TUTOR
I deliver tutorials, conduct Stata statistical software practical sessions and grade assessments for the statistical courses on Biostatistics and, Linear and Logistic Regression for Master of Public Health and statistical inference for Master of Biostatistics at The University of Melbourne.
- **Department of Statistics, University of Colombo, Sri Lanka** **2017 February- 2018 February**
TEMPORARY ASSISTANT LECTURER
I prepared and delivered lectures and tutorials. I designed and graded assignments for a number of statistical courses conducted by the Department of Statistics in liaison with the other departments and faculties in the University of Colombo. I assisted in conducting R and Python software practical sessions for students and contributed to workshops on R conducted for industry professionals by the department of statistics, University of Colombo. I also provided consultancy and assistance in carrying out statistical analysis for research projects undertaken by the Department.
- **Moody's Analytics Knowledge Services** **August 2015-November 2015**
QUANTITATIVE RESEARCH SERVICES INTERN
I was involved in developing a model for predicting the credit rating of companies

TEACHING EXPERIENCE

Postgraduate and Undergraduate Teaching:

- **Master of Public Health, Melbourne School of Population and Global Health,**
The University of Melbourne
Biostatistics: Demonstrator and assessor **2019 April**
Linear and Logistic Regression: Tutor, demonstrator and assessor **2018 Aug-present**

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| Inference Methods for Biostatistics | 2020 April |
| <ul style="list-style-type: none"> • Victorian Centre for Biostatistics,
Multiple imputation for missing data workshop: Tutor | 2019 Feb |
| <ul style="list-style-type: none"> • Clinical Epidemiology and Biostatistics Unit (CEBU), Murdoch Children's Research Institute, Melbourne
Assistance with R and Stata practical courses
Assistance with Introduction to Biostatistics course | 2018 May-Present
2018 Dec-Present |
| <ul style="list-style-type: none"> • Bachelor of Science in Pharmacology (Honours) – Faculty of Science and Faculty of Medicine, University of Colombo
Essential Mathematics for Statistics: Lecturer | 2017-2018 |
| <ul style="list-style-type: none"> • Bachelor of Information Systems – University of Colombo school of Computing
Business Statistics: Lecturer and course coordinator | 2017-2018 |
| <ul style="list-style-type: none"> • Bachelor of Science (Industrial Statistics) – Faculty of Science, University of Colombo
Fundamentals of Statistics: Demonstrator and assessor | 2017-2018 |

PUBLICATIONS

- Wijesuriya R, Moreno-Betancur M, Carlin JB, Lee KJ. Evaluation of approaches for multiple imputation of three-level data. BMC Medical Research Methodology. 2020; 20 (1):1-15.

ACADEMIC PRESENTATIONS

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| <ul style="list-style-type: none"> • Evaluation of approaches for accommodating interactions and non-linear terms in multiple imputation of incomplete three-level
Poster overview presentation at 41st Annual Conference of the International Society for Clinical Biostatistics, Krakow, Poland, 23rd-27th August 2020 (held virtually) | 2020 Aug |
| <ul style="list-style-type: none"> • Evaluation of approaches multiple imputation of incomplete three-level data
Oral presentation at Australian and New Zealand Statistical Conference, Gold Coast, Australia, 5th -9th July 2020 (postponed to July 2021 due to Covid19) | 2020 July |
| <ul style="list-style-type: none"> • Evaluation of approaches for multiple imputation in three-level data structures
Oral presentation at Melbourne Children's Campus Department of Paediatrics Student Symposium, 10th -11th October 2019 | 2019 Oct |
| <ul style="list-style-type: none"> • Evaluation of approaches for multiple imputation in three-level data structures
Oral presentation at the Young Statisticians Conference, Canberra, Australia, 1st -2nd October 2019 | 2019 Oct |
| <ul style="list-style-type: none"> • Evaluation of approaches for multiple imputation in three-level data structures
Oral presentation at the Victorian Young Statistician's Showcase, Australia, 24th September 2019 | 2019 Oct |

- Comparing the Performance of Randomization Tests and Traditional Tests: 2017 May
A Simulation Study.
Oral presentation at the International Conference on Computational Modelling and Simulation of University of Colombo, Sri Lanka, 17th-19th May 2017

EXTRACURRICULAR AND VOLUNTEER WORK

- Committee Member : Melbourne Children's Campus Research Students Association (MCCRSA)
- Review journal articles for the Journal of Paediatrics and Child Health
- **Other Volunteer Activities**
Ushering and giving directions and assisting with general queries at the University of Colombo Research Symposium 2016
Speaker panel moderation for the MCCRSA annual student conference 2020

REFREES

Prof Katherine Lee

Associate Director (Biostatistics)
Melbourne Children's Trials Centre
Clinical Epidemiology & Biostatistics
Murdoch Children's Research Institute
The Royal Children's Hospital,
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Prof John Carlin

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