RUSHANI DARSHIKA WIJESURIYA

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EDUCATION

- **Doctor of Philosophy (PhD) in Biostatistics** 2018 April-present
  The University of Melbourne, Australia
  Thesis: Evaluation 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)** 2012-2016
  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

- **Melbourne Clinical and Translational Science (MCATS)** 2021 February- Present
  The University of Melbourne, Australia
  CASUAL STATISTICAN
  I assist research teams with refining the research questions and developing statistical analysis plans,
  conduct the statistical analyses, upskill the research teams with advanced analysis techniques,
  draft reports on research findings and assist with writing the research papers.

- **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
  ASSITANT 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 also assisted in R workshops conducted by the department and
  with 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

Professional workshops

- **Victorian Centre for Biostatistics**,
  Multiple imputation workshop: Tutor and lecturer   2020 February
  Multiple imputation for missing data workshop: Tutor   2019 February

- **Clinical Epidemiology and Biostatistics Unit (CEBU), Murdoch Children's Research Institute, Melbourne**
  R and Stata practical courses   2018 May-Present
  Introduction to Biostatistics courses   2018 December-Present

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 August-present
  Inference Methods for Biostatistics Tutor and assessor   2020 April

- **Master of Public Health, Melbourne School of Population and Global Health, The University of Melbourne**
  Linear and Logistic Regression: Australia awards tutor   2019 August-present

- **Bachelor of Science in Pharmacology (Honours) – Faculty of Science and Faculty of Medicine, University of Colombo**
  Essential Mathematics for Statistics: Lecturer and course coordinator   2017-2018

- **Bachelor of Information Systems – University of Colombo school of Computing**
  Business Statistics: Lecturer and course coordinator   2017-2018

- **Bachelor of Science (Industrial Statistics) – Faculty of Science, University of Colombo**
  Fundamentals of Statistics: Demonstrator and assessor   2017-2018

- **Royal Children's Hospital, Murdoch Children's Research Institute, Melbourne**
  Introduction to high performance computing (HPC)   2018 July

PEER-REVIEWED 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.

- Wijesuriya R, Moreno-Betancur M, Carlin JB, De Silva AP, Lee KJ. Evaluation of approaches for accommodating interactions and non-linear terms in multiple imputation of incomplete three-level data. Biometrical Journal [under review at Biometrical Journal]

PRESENTATIONS

Conference presentations

- Evaluation of approaches multiple imputation of incomplete three-level data — 2021 July
  Australian and New Zealand Statistical Conference, Gold Coast, Australia

- Evaluation of approaches for accommodating interactions and non-linear terms in — 2020 August
  multiple imputation of incomplete three-level data
  41st (virtual) Conference of the International Society for Clinical Biostatistics, Krakow, Poland

- Bachelors to PhD: taking the leap — 2020 August
  Early Career Biostatistician's Day
  41st (virtual) Conference of the International Society for Clinical Biostatistics, Krakow, Poland

- Evaluation of approaches for multiple imputation in three-level data structures — 2019 October
  Melbourne Children's Campus Department of Paediatrics Student Symposium

- Evaluation of approaches for multiple imputation in three-level data structures — 2019 October
  Young Statisticians Conference, Canberra, Australia

- Comparing the Performance of Randomization Tests and Traditional Tests: — 2017 May
  A Simulation Study
  International Conference on Computational Modelling and Simulations, Colombo, Sri Lanka

Invited talks

- Evaluation of approaches for accommodating interactions and non-linear terms in — 2020 November
  multiple imputation of incomplete three-level data
  International Missing Data, Imputation and Analysis (MiDIA) Group meeting

- Evaluation of approaches for multiple imputation in three-level data structures — 2019 September
  Young Statisticians showcase, Victoria, Australia

SCHOLARSHIPS AND AWARDS

Melbourne Research Scholarship   2018- Present
Four-year scholarship for full tuition fee remission and living allowance funded
by the University of Melbourne

2019 Student Conference Support Award   2019
Travel scholarship awarded by the Murdoch children's research institute

Young Statisticians Travel Award   2019
Travel scholarship funded by the Victorian branch of the Statistical society of Australia

2020 3 Minute Thesis (3MT) competition- July   2019
2nd runner up
3MT is an exercise in developing academic and research communication skills by reducing
complex research down to a brief, interesting and accessible 3-minute presentation

MEMBERSHIPS

- International Missing data, imputation and analysis (MiDIA) research group   2020-Present
- International Society for Clinical Biostatistics   2020-Present
- The Statistical Society of Australia (SSA)   2018-Present
- The Victorian Centre for Biostatistics (ViCBiostat)   2018-Present

A SELECTED LIST OF EXTRACURRICULAR AND VOLUNTEER WORK

- Review journal articles for the Journal of Paediatrics and Child Health
- 2020 Committee Member of Melbourne Children's Campus Research Students Association (MCCRSA)
- Speaker panel moderation for the MCCRSA annual student conference 2020
- Stat circle University of Colombo: Organizing the Stat day 2016, compering and speaker panel moderation
- Assistance with University of Colombo research symposium 2016

REFREES

Prof Katherine Lee
Associate Director
Melbourne Children's Trials Centre
Clinical Epidemiology & Biostatistics
Murdoch Children's Research Institute
The Royal Children's Hospital,
50 Flemington Road Parkville, Victoria 3052
Australia
Email: katherine.lee@mcri.edu.au
Telephone: +61 3 9345 6549

Prof John Carlin
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