



Udani Wijewardhana

EDUCATION

PhD in Statistics (2019-2022)

Department of Health Sciences and Biostatistics
Faculty of Health, Arts and Design
Swinburne University of Technology, Australia

Research: Statistical modelling for the resident shorebirds in Australia using citizen science data

BSc. (Hons) with First Class in Computational Mathematics and Statistics (2015)

GPA: 3.62/4.00 (90.5%)
Faculty of Science, University of Colombo, Sri Lanka

Research:

- Mathematical model for predicting Debt Repayment - Final year Research
- Optimal Distribution schedule for a clothing manufacturing company in Sri Lanka (International Forum for Mathematical Modelling (IFM2) 2014)

Sangeet Visharad Degree offered from 'Bathkande Sangeet Vidyapith', Lucknow, India (2012)

Conducted by 'Gaandhaari Kala Nikethana', Nugegoda, Sri Lanka Passed with First Division

Successfully completed Dharmacharya Buddhist Teaching Examination (2009)

WORK EXPERIENCE

Research Assistant (2022 April – Present)

Department of Health Sciences and Biostatistics
Faculty of Health, Arts and Design
Swinburne University of Technology, Australia
(Application of Bayesian Methodology to Aviation Safety Data conducted by Civil Aviation Safety Authority)

Sessional staff member (2020 – Present)

Swinburne University of Technology, Australia

Data Analyst (2015)

Central Warehouse of D. Samson & Sons Company, Navinna, Sri Lanka

Data Analyst Internship (2014)

Neotenicity (Quantrax Inc.), Sri Lanka

CONTACT

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Craigieburn 3064

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LinkedIn:

<https://www.linkedin.com/in/udani-wijewardhana-2134426b/>

Twitter: <https://twitter.com/uwijewardhana23>

GitHub: <https://github.com/uwijewardhana>

PROFILE

I am a highly passionate individual who thrives on accepting new tasks in my role as a Data Analyst. My initial years of working in the research industry inspired me to learn more about it. I have collaborated with a variety of research experts who is an expert at using statistical tools and methodologies. I am skilled at conducting sampling and validation and well-versed in Biostatistics. I have a broad understanding of statistical concepts, methods, and models. I am an expert at using computer applications. I am eager to join a team of seasoned and experienced Data Analyst professionals in the industry.

STRENGTHS

- ✓ Keen analytical mind
- ✓ Broad Accounting acumen
- ✓ Good communication skills
- ✓ Likeable nature

INTERESTS

- ✓ Table Tennis
- ✓ Music
- ✓ Poetry
- ✓ Movies

KEY SKILLS

- ✓ Hands-on experience in managing statistical software (R and Minitab)
- ✓ Remarkable knowledge of various computer based statistical applications (R Shiny)
- ✓ Immense knowledge of biostatistics (spatial and temporal analysis)
- ✓ Ability to design inferential models for analysis
- ✓ Ability to perform academic research
- ✓ Familiarity of analysing complex statistics

MEMBERSHIPS

- ✓ Student member of statistical society Australia Inc. from 2019
- ✓ Member of Mathematical Olympiad Program, Sri Lanka (2013)
- ✓ Member of Epsilon Delta Mathematics Society, Art Circle & Photographic Circle in University of Colombo - Faculty of Science, Sri Lanka (2010-2014)
- ✓ Member of Table-Tennis teams of Sangamitta College), Sri Lanka (1997-2000), De Mazenod College, Sri Lanka (2005-2007) & University of Colombo - Faculty of Science (2011-2013), Sri Lanka
- ✓ Member of Mass Media Unit, Eastern music group & dancing group of De Mazenod College, Sri Lanka (2001-2007)

PUBLICATIONS

Wijewardhana, U. A., Bandara, C., & Nanayakkara, T. (2018). A mathematical model for predicting debt repayment: A technical note. *Australasian Accounting, Business and Finance Journal*, 12(3), 127-135. <https://doi.org/10.14453/aabfj.v12i3.8>.

Wijewardhana, U. A., Meyer, D., & Jayawardana, M. (2020). Statistical models for the persistence of threatened birds using citizen science data: A systematic review. *Global Ecology and Conservation*, 21, e00821. <https://doi.org/10.1016/j.gecco.2019.e00821>.

Wijewardhana, U. A., Apputhurai, P. Jayawardana, M., & Meyer, D. (2022). Effectiveness of the conservation areas on the Mornington Peninsula for the common resident shorebird species using citizen science data. *Plos One*, 17(5), e0267203. <https://doi.org/10.1371/journal.pone.0267203>.

Wijewardhana, U. A., Jayawardana, M., & Meyer, D. (2022). Modelling the recovery of resident shorebirds following a fox eradication program using citizen science data. *Ecological Informatics*, 72, 101854. <https://doi.org/10.1016/j.ecoinf.2022.101854>.

CERTIFICATES

- ✓ Graduated Certificate of Research and Innovation Management (Swinburne University of Technology)
- ✓ Graduate Certificate of Learning & Teaching (Higher Education)
- ✓ Data Science Foundations: Fundamentals (2019) (The National Association of State Boards of Accountancy)
- ✓ Business Analyst and Project Manager Collaboration (The International Institute of Business Analysis)
- ✓ Successfully completed Learning Paths of "Become a Data Scientist" and "Become a Business Analyst" (LinkedIn Learning with academic credit)
- ✓ Communication Foundations (The National Association of State Boards of Accountancy)

CONFERENCES AND AWARDS

- ✓ Presented "Effect of Climate for Hooded Plover on Mornington Peninsula" at Young Statistician Conference 2019; Victorian Research Students' Meeting in Probability and Statistics 2019; Building Bridges - FHAD Student Research Conference 2019.
- ✓ Presented "Modelling the effectiveness of a fox eradication program for local shorebirds using citizen science data" at Victorian Research Students' Meeting in Probability and Statistics 2020; Building Bridges - FHAD Student Research Conference 2020.
- ✓ Presented "Statistical modelling for the persistence of local shorebirds in Australia using citizen science data: Research overview" at Virtual International Statistical Ecology Conference (vISEC2020).

REFERENCES

Professor Denny Meyer

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School of Health Sciences
Swinburne University of Technology
Melbourne VIC 3122 Australia
Phone +61 392 144 824
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Madawa Jayawardana, PhD

Statistical Consultant
Office of Cancer Research
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- ✓ Presented “Statistical modelling for the persistence of local shorebirds in Mornington Peninsula using citizen science data” at Statistical Society of Australia Early Career & Student Statisticians Conference (ECSSC2021); International Conference on Multidisciplinary Approaches in Science 2021 (ICMAS2021).
- ✓ Presented “Effect of ecoregions for Australian resident shorebirds in the context of seasonal migration using citizen science data” at Sarawak Postgraduate Research Conference 2022.
- ✓ Swinburne University Postgraduate Research Award.
- ✓ 3MT (3 Minutes Thesis) 2021 Swinburne University of Technology Finalist.
- ✓ Attended for the Communicating with R Markdown workshop organized by Young Statistician Conference 2019.
- ✓ Attended for Student Training Workshop 2019 organized by Swinburne University of Technology.

CURRICULUM ACTIVITIES

- ✓ Head Prefect of Siri Wimalasiri Dhamma School, Sri Lanka in 2005.
- ✓ President of Buddhist Society of De Mazenod College, Sri Lanka in 2005.
- ✓ Leader of Eastern Music Group of De Mazenod College, Sri Lanka in 2004 to 2005.
- ✓ Junior & Senior Prefect of De Mazenod College, Sri Lanka.
- ✓ Best Musician 2007 - De Mazenod College, Sri Lanka.
- ✓ Colourswoman of Music 2006 & Colourswoman of Dancing 2004 - De Mazenod College.
- ✓ Best Outstanding Student 2005 - Siri Wimalasiri Dhamma School, Sri Lanka.
- ✓ Colourswoman of Table-Tennis 2006 - Gampaha District, Sri Lanka.
- ✓ All Island Table-Tennis Championships - Under 14 in 1999 and Under 18 in 2003.
- ✓ Champion of singing in the ‘Vesta - 2011’ talent competition organized by the Science Faculty, University of Colombo, Sri Lanka.