

# UDANI A. WIJEWARDHANA

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## Education

**Swinburne University of Technology – Faculty of Health, Arts and Design**

Australia

PhD candidate of Statistics -

2019-present

My research focus is the development of Persistence models for bird species considering spatial and temporal scales using citizen science data.

**University of Colombo – Faculty of Science**

Sri Lanka

BSc. (Hons) with First Class in Computational Mathematics and Statistics - GPA: 3.62/4.00 (90.5%)

1<sup>st</sup> of March, 2015

1. Mathematical model for predicting Debt Repayment

Final year Research project  
Duration – 1 year

2. Optimal Distribution schedule for a clothing manufacturing company in Sri Lanka

International Forum for  
Mathematical Modelling  
(IFM2 - 2014)  
Duration – 1 week

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## Employment History

- Trainee Data Analyst at Neotenicity (Quantrax Inc.), Sri Lanka for 3 months in 2014.
- Data Analyst at DSS Warehouse, Navinna, Sri Lanka for 6 months in 2015.

New efficient and productive incentive scheme

Central Warehouse of D. Samson & Sons  
Company at Navinna, Sri Lanka  
Duration – 6 months

- Temporary Mathematics Teacher of Grade 6, 7, 8 for a year at De Mazenod College, Sri Lanka in 2009.
- Sessional staff member of Swinburne University (April 2020 - present)

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## Publications

Wijewardhana, Udani A., Bandara, Chinthaka and Nanayakkara, Thesath, A Mathematical Model for Predicting Debt Repayment: A Technical Note, Australasian Accounting, Business and Finance Journal, 12(3), 2018, 107-115. [doi:10.14453/aabfj.v12i3.8](https://doi.org/10.14453/aabfj.v12i3.8)

Udani A. Wijewardhana, Meyer, Denny and Jayawardana, Madawa, Statistical models for the persistence of threatened birds using citizen science data: A systematic review, Global Ecology and Conservation, Volume 21, 2020, e00821, ISSN 2351-9894. [doi:10.1016/j.gecco.2019.e00821](https://doi.org/10.1016/j.gecco.2019.e00821)

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## Skills

- Statistical data analysis and data mining using R.
  - ✓ Ecological statistics
  - ✓ Spatial and temporal models
  - ✓ Persistence models
  - ✓ Applied statistics
- Ability to work independently and in team environment.
- Good command in verbal and written communication skills in both English and Sinhala.

## **Conferences and workshops**

- Successfully completed Graduated Certificate of Research and Innovation Management.
  - Presented at Young Statistician Conference 2019 and participated for the Communicating with R Markdown workshop.
  - Presented at Victorian Research Students' Meeting in Probability and Statistics 2019.
  - Presented at Building Bridges - FHAD 2019 Student Research Conference.
  - Attended for Student Training Two Days Workshop 2019 organized by Swinburne University (qualitative approaches).
  - Presented PhD research overview at Virtual International Statistical Ecology Conference (vISEC2020).
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## **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, Sri Lanka (2011-2013).
  - Member of Mass Media Unit, Eastern music group & dancing group of De Mazenod College, Sri Lanka (2001-2007).
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## **Leaderships, Extra-Curricular Activities & Achievements**

- Successfully completed Dharmacharya Buddhist Teaching Examination in 2009.
- 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.
- Sangeet Visharad Degree offered from 'Bathkande Sangeet Vidyapith', Lucknow, India conducted by 'Gaandhaari Kala Nikethana', Nugegoda, Sri Lanka – Passed with 1<sup>st</sup> Division (Rank 1 in Sri Lanka - 2012).
- 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.