Department of Statistics & Computer Science
Faculty of Science / University of Peradeniya



Prof. Lakshika S. Nawarathna

B.Sc. (Perad.), M.Sc., Ph.D. (UT Dallas, USA)

Professor in Statistics

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About Me

Professor in Statistics in the Department of Statistics and Computer Science, Faculty of Science, University of Peradeniya. Holds a PhD in Statistics from The University of Texas at Dallas, USA, and has published over 60 peer-reviewed journal articles, together with international conference contributions and book chapters. Research interests include Biostatistics, Statistical Methods in Medical Research, Bayesian Statistics, Data Analytics, and Machine Learning, with research spanning applications in medicine, dentistry, forensic anthropology, environmental and agricultural sciences, and education. An elected Member of the International Statistical Institute (ISI) in recognition of significant contributions to the statistical profession, with active involvement in postgraduate supervision, academic leadership, research administration, and professional service, contributing to the advancement of Statistics and interdisciplinary research nationally and internationally.

Higher Education Qualifications

PhD	MSc	BSc
University of Texas at Dallas USA	University of Texas at Dallas USA	University of Peradeniya Sri Lanka

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Awards, Scholarships, Memberships & Fellowships

- Life member, Institute of Applied Statistics Sri Lanka (IASSL)
- Life member, Delta Epsilon Iota Academic Honor Society
- Research Excellence Award, Faculty of Science, University of Peradeniya, 2017 to 2025.
- The Excellence in Teaching Award of the Faculty of Science, University of Peradeniya in Recognition of Distinguished Undergraduate Teaching in the academic years 2018/19, 2019/20, 2020/21.
- University of Peradeniya Research Council Research Award, 2024
- National Educator Award (Silver Award) in Mathematics and Statistics, 2025
- Elected Member of the International Statistical Institute (ISI)

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Positions Held

Senior Lecturer

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My Teachings

- ST101: Introduction to Statistics
- ST203: Theory of Statistics
- ST303: Design and Analysis of Experiments
- ST308: Bayesian Statistics I
- ST404: Stochastic Processes
- ST405: Multivariate Methods II
- ST406: Bayesian Statistics II

Research Interests (Research Fields/ Projects)

Biostatistics

Bayesian Statistics

Statistical Methodology
Method Comparison Studies

Ongoing Research and Projects



Nothing to show under this subheading !!!

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Key Publications

Statistics in Medicine - (2015)

A Heteroscedastic Measurement Error Model for Method Comparison Data with Replicate Measurements

Statistics in Medicine - (2013)

Measuring Agreement in Method Comparison Studies with Heteroscedastic Measurements,

Conferences

Nothing to show under this subheading !!!

My Publications

Please goto the website.

https://sci.pdn.ac.lk/scs/staff/Lakshika-Nawarathna

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