

5D 1/2 , Dharmashoka Mawatha , Kandy, Sri Lanka.
Phone +94-774-293-788. ◇ +94-812-204-902. ◇ Email amalan0595@gmail.com.
[LinkedIn](#). ◇ [Twitter](#). ◇ [GitHub](#).. ◇ [Personal](#)

MAHENDRAN AMALAN

RESEARCH INTEREST

Applied statistics, Big Data and Data Mining in perspective of open source software and improving the quality of statistical results mostly using **R** statistical Software and recently **python**.

RESEARCH EXPERIENCE

December 2016 - Final Year student constructing R package "fitODBOD" to model Binomial outcome data for the Family of Binomial Distributions and Alternate Binomial Distributions.

October 2017 - Participated in the challenge "Data for Climate Action" conducted by United Nations Global Pulse.

September 2018 - Writing a blog to promote and to keep up with updates of the "**fitODBOD**", further to advance the use of statistical softwares such as R and python using reusable code.

APPOINTMENT

Temporary Assistant Lecturer, *January 2017- July 2018*
Department of Statistics and Computer Science ,Faculty of Science, University of Peradeniya.

EDUCATION

University of Peradeniya, Faculty of Science, *March 2013 - December 2016*
Department of Statistics and Computer Science.
B.Sc. in Statistics (Special) Honors. | First Class | Cumulative GPA - 3.87 \4.00
Subjects - Statistics | Computer Science | Mathematics.

HONORS

Department of Statistics and Computer Science Alumni Prize for Excellence in Statistics.
University Prize for Academic Excellence.
The Prize for Grade Transitional in Written English.
The Prize for Grade Two in Spoken English.

TEACHING EXPERIENCE

Univeristy of Peradeniya, Faculty of Science, *January 2017 - July 2018*
Department of Statistics and Computer Science.
Prepare lecture notes.| Conduct lectures & practicals. | Set & mark exam papers, quizzes, tutorials.
CS 100 - Computer Applications (Practical) - Instructor (2017/2018).
ST 103 - Statistics Applications 1 - Instructor & In-charge (2017).
ST 104 - Statistical Applications 2 - Instructor & In-charge (2017).
ST 204 - Sampling Techniques - Tutor (2017). | ST 205 - Statistical Simulation - Tutor (2017).
CS 202 - Data Structures Practical - Tutor (2017/2018).
ST 301 - Regression Analysis - Instructor (2017/2018).| ST 305 - Multivariate Methods I - Tutor (2017).
ST 407 - Linear Models - Tutor (2017).
AS 404 - Data Integrity Management and Data Analysis - Instructor (2018).

PUBLICATIONS

February and September 2018 - R package "**fitODBOD**" versions 1.1.0 and 1.2.0 in CRAN.

October 2018 - "fitODBOD" package **Website** constructed and published.

April 2018 - Journal Article under review. RJournal - "fitODBOD: An R Package to Model Binomial Outcome Data using Binomial Mixture Distributions".

ACADEMIC ACTIVITY

Successfully Completed a Three day induction program conducted for Temporary Academic Staff, by Staff Development Centre, University of Peradeniya.

Member of the Data Science Unit of Post Graduate Institute of Science, University of Peradeniya.

Member of the Media and Publicity Unit for the Annual Research Congress 2017.

Organizing Committee member of Industry Day 2017, Faculty of Science, University of Peradeniya.

Organized activities for "Statistical Camp 2017", Department of Statistics and Computer Science, Faculty of Science, University of Peradeniya.

Organized a short introduction session explaining statistics and its applications for school students at the "Faculty Open Day-2017- Faculty of Science, University of Peradeniya".

UNIVERSITY ACTIVITIES

Team Member for conducting one day Statistical Seminars for Advanced level Students in Mathematics Stream.

Group leader and an active member and winning group from "Annual Statistics Camp 2015" conducted by the Department of Statistics and Computer Science.

Student of Coursera with successfully completing the course in "R programming" conducted by the University of JohnHopkins.

OTHERS

Institute of Western Music & Speech.

2000 - 2004

Spoken English & Written English

Grade ONE - Honors & Honors |

Grade TRANSITIONAL - Honors & Honors |

Grade TWO - Honors & Honors |

Grade THREE - Honors & Honors |

Grade FOUR - Merit & Honors.

MEMBERSHIP

Member of the American Statistical Association.

Member ID : 210445

ORCID Member

Research Gate.

PERSONAL

Consulting Research Statistician. Amateur Reader. Ambivert. Single. 27 years. Male.