MAHENDRAN AMALAN

LinkedIn. ⋄ Twitter. ⋄ GitHub. ⋄ Website.

SUMMARY

Statistics is the science of seeing the world with simplified plots and models. I am encouraged by my passion, curiosity and focus as a recent undergraduate towards research in Data. Research in Big Data and Data Science are my current priorities, while using statistics to make other fields of study much simplified. I intend to be responsible based on given opportunities and accept new challenges.

FREELANCE WORK

Consulting Rajarata University to prepare a statistics curriculum for Data Science - 2019
Article Reviewer of Rajarata International Research Conference 2019.

ORGANIZATIONAL WORK EXPERIENCE

University of Peradeniya, Faculty of Science,   January 2017 - July 2018

Department of Statistics and Computer Science.

Researcher and Temporary Lecturer
Prepare lecture notes. Conduct lectures & practicals. Set & mark exam papers.

- 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 (2017/2018).
- ST 204 - Sampling Techniques - Tutor (2017).
- ST 205 - Statistical Simulation - Tutor (2017/2018).
- CS 202 - Data Structures Practical - Tutor (2017/2018).
- ST 301 - Regression Analysis - Instructor (2017/2018).
- ST 305 - Multivariate Methods I - Tutor (2018).
- ST 407 - Linear Models - Tutor (2017).
- AS 404 - Data Integrity Management and Data Analysis - Instructor (2018).

- Member of the Data Science Unit of Post Graduate Institute of Science, University of Peradeniya.
- Successfully Completed a Three day Induction Program conducted for Temporary Academic Staff, by Staff Development Centre.
- Member of the Media Publicity Committee for the Annual Research Congress 2017(Rescon2017).
- Organizing Committee member of Industry Day 2017, Faculty of Science.
- Organized activities for "Statistical Camp 2017",Department of Statistics and Computer Science.
- 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.
- Co-authored a research article under the concept of climate change and social media analytics for the challenge "Data for Climate Action" conducted by United Nations Global Pulse in 2017.

RESEARCH EXPERIENCE

December 2016 - Final Year student constructed an R package "fitODBOD" to model Binomial Outcome Data for the Family of Binomial and Alternate Binomial Distributions.

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

September 2018 - Writing blog posts related to R programming language on personal website.

January 2019 - Volunteer Statistical Researcher for Health Data under peer review to publish articles.

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 | Overall GPA - 3.87/4.00.
University Prize for Academic Excellence.
Department of Statistics and Computer Science Alumni Prize for Excellence in Statistics.
Subjects - Statistics | Computer Science | Mathematics.

National Institute of Business Management.
Advanced Certificate in Human Resource Management. - Merit *2012*
Foundation Course in Human Resource Management. - Distinction *2011*

Trinity College Kandy.
GCE Advanced Level Examination. *2010*
Combined Mathematics - C |Chemistry - C |
Physics - C |English - A |General Knowledge - 70.

GCE Ordinary Level Examination. *2007*
Mathematics - A |English - A |Science - S |
English Literature - S |4 B's |2 C's.

IELTS Exam Scores. *2018 - 2020*
Listening - 8.5 | Reading - 8 | Writing - 6.5 | Speaking - 8.0 | Overall -8.0.

ACTIVITIES

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

Group leader and an active member of the winners from the " 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 John Hopkins.

STRENGTHS

Statistical Languages	R (Base, Tidyverse & Rshiny), Minitab, Rapid Miner, SAS.
Other Applications	Latex, ArcGIS, MS Office Packages, SQL, Java, C.
Essential Skills	Self-Learning,Commitment, Team Player, Communicative.
Professional Language Proficiency	English, Sinhala, Tamil.

PEER-REVIEWED(PR) WORK

Mahendran R, Puthussery S, Amalan M. Prevalence of antenatal depression in South Asia: a systematic review and meta-analysis. J Epidemiol Community Health Published. On-line: **Apr 2019.** Link

Amalan Mahendran, Pushpakanthie Wijekoon, (2019). fitODBOD: An R Package to Model Binomial Outcome Data using Binomial Mixture and Alternate Binomial Distributions. Journal of Open Source Software, 4(39), 1505. On-line : **July 2019**. Link

NON-PEER-REVIEWED(NPR) WORK

R package in CRAN as fitODBOD to fit over dispersed Binomial Outcome Data using Binomial Mixture Distributions and Alternate Binomial Distributions. **Feb, Sep 2018. May, Jun 2019.**

Package Website developed and published. **Oct 2018. May, Jun 2019.**

Rshiny Application to represent the Olympic Data from Kaggle. **Jan 2019.**

Rshiny Application for text and sentiment analytics on the Tv show South Park. **Apr 2019.**

Individual Project of extracting Presidential Election Data of Sri Lanka from official PDF files and developing a useful data-frame. **Jul 2019**

PERSONAL

Research Statistician. Amateur Reader. Ambivert. Single. 28 years. Male.