

Heranga Kalpani Rathnasekara

Title : Teaching Assistant
 Department : Mathematic and Statistics
 College : Science and Engineering Technology

Professional Overview

- Strong knowledge in statistical theories and formulations, and proficiency in statistical modeling process
- Experience in developing analytical research studies for data insights and decision making
- Proficient in data preparation, sampling, data collection, and visualization
- Proficient in statistical programing with SAS and R
- Strong passion and commitment in management with hardworking, studious, goal oriented and responsible

Education

Dec 2017 **Master of Science – Statistics** GPA: 3.67/4.0

(Expected) **Sam Houston State University - Huntsville, TX**

- **Awards/Honors:** 1st Place, Math/Stat and Bio Stat poster presentation, conference of Texas statisticians, 2017; College of Science special graduate scholarship, 2016/17; Franklin D. Rich math scholarship 2017
- **Activities/Clubs:** Department of Mathematics/Statistics Graduate/Teaching Assistant; SHSU Statistics club, President and former Secretary

Jan 2013 **Bachelor of Science – Industrial Management and Statistics** GPA: 3.44/4.0

Wayamba University - Sri Lanka

- **Awards/ Honors:** Gold medal, department of Industrial Management, 2014
- **Activities/Clubs:** Member of university netball and basketball team; Art competitions

Research Publications

- Scarbrough A., Hill J.M., Hoffpauir D., Holt M., **Rathnasekara H.K.**; “Gateway of Zika Virus into US: How Housing is Fundamental to Prevention”; Texas Journal of Public Health, In review; Jul 2017
- **Rathnasekara H.K.**, Holt M., Hill J.M., Hoffpauir D.; “Hot Spots and Cluster Analysis of a Mosquito Borne Disease”; Conference of Texas Statisticians; Southern Methodist University, Dallas, TX; Mar 2017
- **Rathnasekara H.K.**, Karunarathne C.P., Wattegama E.J.; “Factors Affecting the Success of Quick Changeover; A Study in Garment Manufacturer in Sri Lanka”; 05th Applied Science Research Symposium, Wayamba University, Sri Lanka; Dec 2013; ISSN 2279-1558, ISBN 978-955-4709-06-5, pp 72 – 76

Honors and Awards

- **1st Place Award, Masters Category** - Mathematical Statistics and Bio Statistics Research Area Poster Presentation, Conference of Texas Statisticians, Dallas, TX (Mar 2017)
- **Special Graduate Scholarship Award** - Department of Mathematics and Statistics, Sam Houston State University, Huntsville, TX (Fall 2016, Spring 2017, and Fall 2017)
- **Franklin D. Rich Math Scholarship** - Department of Mathematics and Statistics, Sam Houston State University, Huntsville, TX (Fall 2017)
- **Gold Medal for Highest Performance** - Department of Industrial Management, Wayamba University, Sri Lanka. (Aug 2014)

Experience

01/2016 - Graduate/Teaching Assistant

Present Sam Houston State University - Huntsville, TX

Assisted with undergraduate statistics students; held office hours; tutored lab sections; graded for homework/exams and provided insightful feedbacks

- Developed and implemented interesting and interactive presentations to increase student understanding
- Managed to provide high-quality lectures, successfully participating in research studies

06/2017 - Student Research Assistant

Present Texas Research Institute for Environmental Studies, SHSU - Huntsville, TX

Conducted quantitative analytics based on community demographic data to predict population at potential risk

- Collected data, organized, analyzed and provided professional writing and interpretative reports

03/2015 - Assistant Lecturer

12/2015 London School of Marketing - Colombo, Sri Lanka; Affiliated with Anglia Ruskin University, UK

Provide administrative services and online research assistant to marketing management students

- Performed tutoring, communicated the key deadlines and procedures, evaluated mitigating circumstances for deadline extensions and answered daily enquiries

Jan 2013 - Tutor

Dec 2014 Wayamba University - Sri Lanka

- Tutored students in marketing management, introduction to management, operation research, and VB.Net

Skills

- **Software:** SAS, R, SPSS, MINITAB, Excel Statistics, Mathematica, Exposure to ArcGIS, and Arena
- **Database Management System:** SAS/SQL, Microsoft SQL Server
- **Programming :** C, VB.Net

Core Competencies

- | | | |
|-----------------------|--------------------------|-------------------------|
| • Regression Analysis | • SAS/R Programming | • Sampling Methods |
| • Bio Statistics | • Design and Analysis of | • Linear Modeling |
| • ArcGIS Statistics | Experiment | • Multivariate Analysis |

Extra Curricular Activities

- **My Art Gallery Painting Exhibition;** Bayou Theater University of Houston Clear Lake (Sep 2017)
- **President and Former Secretary Statistics Club;** Sam Houston State University, TX (Jun 2017 - Present)
- **2nd Place Team Women Basketball;** Inter-University Games, Wayamba University, Sri Lanka (2009)
- **Member University Netball and Basketball Team;** Wayamba University, Sri Lanka (2009 - 2012)
- **Faculty Representative Inter-Faculty Games;** Wayamba University, Sri Lanka (2009 - 2012)
- **District level and All Island Award Art Competitions;** Sri Lanka (2002 - 2007)
- **Band Leader and Musician;** Ave Maria Church, Bolawalana, Sri Lanka (2004 - 2008)