



Hemalika T. K. Abeyesundara, PhD.

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Personal Information

Date of Birth:	30th October, 1980
Marital Status:	Married
Primary & Secondary Education:	Mahamaya Girls' College, Kandy.

Education

PhD in Statistics 2014

Texas Tech University- Lubbock, TX, USA.

Dissertation: Minimum Hellinger Distance Estimation of Regression
Function in a Parametric Family with a Random Design Model.

Advisor: Prof. Frits Ruymgaart.

M.Sc. in Statistics 2010

Texas Tech University- Lubbock, TX, USA.

Thesis: Non Parametric Estimation of Bivariate Survival Function

Advisor: Dr. Byungtae Seo.

B.Sc. in Computer Science (Honors) 2005

University of Peradeniya- Peradeniya, Sri Lanka.

Project: Applying Object Role Modeling for Software Design Patterns.

Advisor: Prof. Saluka R. Kodithuwakku.

Areas of Specialization

- Asymptotic Theory
- Survival Analysis
- Clinical Data Analysis
- Computational Statistics

Academic Positions Held

Senior Lecturer Department of Statistics & Computer Science, University of Peradeniya, Peradeniya, Sri Lanka	Since 2015
Lecturer Postgraduate Institute of Science (PGIS), University of Peradeniya, Peradeniya, Sri Lanka	
Lecturer Department of Mathematics & Statistics, Texas Tech University, Lubbock, Texas, USA	2014 - 2015
Graduate Teaching Assistant Department of Mathematics & Statistics, Texas Tech University, Lubbock, Texas, USA	2008 - 2014
Temporary Lecturer Department of Statistics & Computer Science, University of Peradeniya, Peradeniya, Sri Lanka	2005- 2007

Experience

Statistician Center for Education, Research and Training on Kidney Diseases, University of Peradeniya, Peradeniya, Sri Lanka	2015
Volunteer Research & Testing Laboratory, Lubbock, TX, USA Responsibilities: Performing Statistical data analysis and learning methods of next generation DNA sequencing and microbiome analytical techniques.	2014
Student Intern Texas Tech Health Sciences Center, Lubbock, TX, USA Responsibilities: Analyzing and maintaining massive Clinical Data and providing technical reports to be published in Medical Journals.	2013

Memberships & Appointments

- Secretary, University of Peradeniya Science Alumnae Association(UPSAA), 2015/16
- Committee member, Curriculum Development Board, Faculty of Science, University of Peradeniya, Sri Lanka.
- Member of American Statistical Association.

Publications & Presentations

- Hemalika Abeyesundara, Frits Ruymgaart, "*Minimum Hellinger Distance Estimation of A Regression Function in A Parametric Family with A Random Design Model*", AMS sectional meeting, Texas Tech University, Lubbock, Texas, April 2014.
- Hemalika Abeyesundara, Byungtae Seo, "*Non Parametric Estimates of Bivariate Survival Function*", ICIAM (International Conference in Industrial & Applied Mathematics) 2011, Vancouver, BC, Canada (Poster Presentation).
- Hemalika Abeyesundara, Byungtae Seo, "*Non Parametric Estimates of Bivariate Survival Function -DME data analysis*", AMS regional conference, University of Nebraska, Lincoln, October 2011.
- H.T.Karunaratne, S.R. Kodithuwakku, "*Applying Object Role Modeling to Software Design Patterns*", PURSE[Peradeniya University Research Session], November 2005.

Awards

- 1st Place - 9th Graduate Student Research Poster Competition, Texas Tech University, March 2010.
- SIAM Academic Scholar Award - Awarded by the Society of Industrial and Applied Mathematics (SIAM), Texas Tech University, 2012

Referred Journals

- Journal of the National Science Foundation Sri Lanka (JNSF).
- Sri Lankan Journal of Applied Statistics (SLJAS).
