

CURRICULUM VITAE

Personal Details:

Name: Pushpakanthie Wijekoon		
Address: Department of Statistics & Computer Science, Faculty of Science, Uni. of Peradeniya		
Title: Professor	Nationality: Sri Lanka	Sex: Female
Contact details: Tel.: 081-2394649, 071-8061012		E-mail: Pushpaw@pdn.ac.lk

Educational / Professional Qualifications:

- **B.Sc. Special – Mathematics** - First Class Honours, University of Kelaniya, Sri Lanka, 1982
- **Ph.D. – Statistics**, University of Dortmund, West Germany, 1990

Employment Record:

Institution / Organization	Position	Period
Department of Statistics & Computer Science, Faculty of Science, University of Peradeniya	Professor,	11/2009 To date
	Associate Professor	04/2005 – 11/2009
	Head of Department	08/2000 – 04/2001, 03/2004 – 03/2007
	Senior Lecturer	08/1998 -04/2005
Dept. of Mathematics, Uni. of Peradeniya	Senior Lecturer	10/1990 – 08/1998
	Assistant Lecturer	12/1983 – 10/1990
Dept. of Mathematics & Statistics, Mississippi State University, USA	Visiting Assistant Professor	01/1998 – 06/1998
Dept. Mathematics & Statistics, Memorial University, Canada	Adjunct Professor (Visiting Scientist)	09/2011 – 01/2012

Publications:

Journal articles

- (1) Wijekoon P. and G.Trenkler (1989) : Mean square error matrix superiority of estimator under linear restrictions and misspecification. Economics Letters 30, 141-149 [doi:10.1016/0165-1765\(89\)90052-9](https://doi.org/10.1016/0165-1765(89)90052-9)
- (2) Trenkler G. and P.wijekoon (1989) : Mean square error matrix superiority of the mixed regression estimator under misspecification. Statistica Anno. XLIX, 65-71.
- (3) Dube M., Srivastava V.K., Toutenburg H. and PWijekoon(1991) : Stein-Rule estimator under inclusion of superfluous variables in Linear Regression Models. Communication in Statistics 20, 2009-2023. DOI: 10.1080/03610929108830618
- (4) Wijekoon P. and G.Trenkler (1995) : Pre-test estimation in the Linear Regression Model under stochastic restrictions. Ceylon Journal of Science , Physical Sciences, 2(I), 57 – 64.
- (5) Wijekoon P. (1998) : A comparison of the Restricted Ridge Regression and the Modified Ridge Regression estimators. Ceylon Journal of Science : Physical Sciences, 5(I), 75 – 79.
- (6) Jahufer A. and P. Wijekoon (2003): A Monte Carlo Evaluation of new biased estimators in Regression model. Sri Lankan Journal of Applied Statistics, 4, 37-46
- (7) Hubert M.H. and P. Wijekoon (2004): Superiority of the stochastic restricted Liu estimator under misspecification, Statistica Anno., LXIV, n.1, 2004 pp. 153-162.
- (8) Hubert M.H. and P. Wijekoon (2004): Comparisons between Stochastic Restricted Liu Estimators When Different Sets of Prior Information are Available, Proceedings of the International Sri Lankan Statistical Conference: Visions of Futuristic Statistical Methodologies, 255-262 . DOI: 10.13140/2.1.4060.6407

- (9) P. Wijekoon and Hubert M.H. (2004): Modified Liu Estimator with Incomplete Prior Information in Misspecified Regression Model, Proceedings of the International Sri Lankan Statistical Conference: Visions of Futuristic Statistical Methodologies, 533-546. DOI: 10.13140/2.1.1963.4888
- (10) E Wencheke and P. Wijekoon (2005): Improved estimation of the mean in one-parameter exponential families with known coefficient of variation. Statistical papers, Springer, Vol 46, 101-115, DOI 10.1007/BF02762037
- (11) Hubert M.H. and P. Wijekoon (2005): Efficiency of the Stochastic restricted Liu estimator on incomplete data regression model. Ceylon Journal of Science : Physical Sciences, 10, 39-45.
- (12) Hubert M.H. and P. Wijekoon (2006): Improvement of the Liu estimator in Linear Regression model, Statistical papers, 47, 471-479. DOI 10.1007/s00362-006-0300-4
- (13) Laheetharan A. and P. Wijekoon (2009): Estimation of variance in Inverse Gaussian distribution with known kurtosis, Sri Lankan Journal of Applied Statistics, Vol. 9, 84-92.
- (14) Laheetharan A. and P. Wijekoon (2010): Improved estimation of the population parameters when some additional information is available. Statistical papers, Springer, 51, 889-914 (DOI : 10.1007/s00362-008-0185-5)
- (15) Laheetharan A. and P. Wijekoon (2011): Mean square error comparison among variance estimators with known coefficient of variation, . Statistical papers, Springer, 47, 471-479 (DOI : 10.1007/s00362-009-0221-0.)
- (16) Laheetharan A. and P. Wijekoon (2009): Optimal combined estimators for population parameters with known prior information, The Sri Lankan Journal of Applied Statistics. Vol 10, 137 – 152
- (17) Chandrabose Manoj, Pushpa Wijekoon and Roshan D. Yapa (2013) The McDonald Generalized Beta-Binomial Distribution: A New Binomial Mixture Distribution and Simulation Based Comparison with Its Nested Distributions in Handling Overdispersion, International Journal of Statistics and Probability; Vol. 2, No. 2; ISSN 1927-7032 E-ISSN 1927-7040, Published by Canadian Center of Science and Education, doi:10.5539/ijsp.v2n2p24
- (18) Sivarajah Arumairajan, Pushpakanthie Wijekoon (2013) Improvement of the Preliminary Test Estimator When Stochastic Restrictions are Available in Linear Regression Model, Open Journal of Statistics, Vol. 3:283-292. DOI:10.4236/ojs.2013.34033, Scientific Research Publishing Inc
- (19) Sivarajah Arumairajan, Pushpakanthie Wijekoon (2014): Improvement of Ridge Estimator When Stochastic Restrictions Are Available in the Linear Regression Model, Journal of Statistical and Econometric Methods, vol.3, no.1, 2014, 35-48
(http://www.scienpress.com/journal_focus.asp?main_id=68&Sub_id=IV&Issue=1093)
- (20) Sivarajah Arumairajan, Pushpakanthie Wijekoon (2014): Preliminary Test Stochastic restricted r-k Class Estimator and Preliminary Test Stochastic Restricted r-d Class Estimator in Linear Regression Model, British Journal of Mathematics & Computer Science 5(2): 204-227, DOI: 10.9734/BJMCS/2015/13781
- (21) Arumairajan. S and Wijekoon. P. (2015): The Generalized Preliminary Test Estimator when different sets of stochastic restrictions are available. Statistical Paper-Springer (Accepted for publication, DOI: 10.1007/s00362-015-0723-x)
- (22) R. M. I. P. Ratnayake, P. Wijekoon, Yapa. R.D. (2014): Relationship Between All Share Price Index (ASPI) and Macroeconomic Variables: Evidence from Sri Lanka, International Journal of Development Research , Vol.4(9), 1923-1928 ,
<http://www.journalijdr.com/sites/default/files/2117.pdf>
- (23) Hewa MS Wasana, Dharshani Aluthpatabendi, WMTD Kularatne, Pushpa Wijekoon, Rohan Weerasooriya, Jayasundera Bandara (2015) : Drinking water quality and chronic kidney disease of unknown etiology (CKDu): synergic effects of fluoride, cadmium and hardness of water, Environmental geochemistry and health, Springer Netherlands, Vol. 37(2) 221-231, DOI: 10.1007/s10653-014-9641-4
- (24) R. R. Nanayakkara, Y. P. R. D. Yapa, P. B. Hevawithana and P. Wijekoon (2015), Automatic Breast Boundary Segmentation of Mammograms, International Journal of Soft Computing and Enginee

- ring (IJSCE), Vol. 5(1), 97-101, <http://www.ijscce.org/attachments/File/v5i1/A2540035115.pdf>
- (25) Sivarajah Arumairajan, Pushpakanthie Wijekoon (2015), Optimal Generalized Biased Estimator in Linear Regression Model, Open Journal of Statistics, Vol. 5(5), 403-411, DOI: [10.4236/ojs.2015.55042](https://doi.org/10.4236/ojs.2015.55042)
- (26) SCD Wimalasena, P Wijekoon, SS Fernando, IAUN Gunatilleke (2015), Application of clustering and ordination methods to determine the optimal plot size for vegetation sampling of a Sri Lankan dipterocarp forest, Journal of the National Science Foundation of Sri Lanka, Vol 43(1), 91-98, DOI: <http://doi.org/10.4038/jnsfsr.v43i1.7919>
- (27) Sivarajah Arumairajan, Pushpakanthie Wijekoon, (2015): More on the Preliminary Test Stochastic Restricted Liu Estimator in Linear Regression Model, Open Journal of Statistics, Vol5(4), 340-349, DOI: [10.4236/ojs.2015.54035](https://doi.org/10.4236/ojs.2015.54035)
- (28) Sivarajah Arumairajan, Pushpakanthie Wijekoon (2016): Principal Component Preliminary Test Estimator in the Linear Regression Model, Journal of Modern Applied Statistical Methods Vol 15(1), 690-710
- (29) N Varathan, P Wijekoon (2016): Ridge Estimator in Logistic Regression under Stochastic Linear Restrictions, British Journal of Mathematics & Computer Science 15 (3), 1-14
- (30) S Arumairajan, P Wijekoon (2016): Generalized preliminary test stochastic restricted estimator in the linear regression model, Communications in Statistics-Theory and Methods, Vol 45(20) 6061-6086, <http://dx.doi.org/10.1080/03610926.2014.957850>
- (31) S. G. J. Senarathne and P. Wijekoon (2016): A New Selection Index to Address within Course Competition and between Course Competition for Ranking Examination Scores British Journal of Mathematics & Computer Science 13 (6), 1-17
- (32) N Varathan, P Wijekoon (2016): Logistic Liu Estimator under stochastic linear restrictions, Statistical Papers, Springer, 1-18
- (33) N Varathan, P Wijekoon (2016): On the Restricted Almost Unbiased Ridge Estimator in Logistic Regression, Open Journal of Statistics, Vol. 6(6), 1076
- (34) N Varathan, P Wijekoon (2016): Stochastic restricted maximum likelihood estimator in logistic regression model, Open Journal of Statistics, Vol. 5(7), 837
- (35) S. Arumairajan, P. Wijekoon (2017): The Generalized preliminary test estimator when different sets of stochastic restrictions are available, Statistical Papers 58 (3), 729-747
- (36) Sivarajah Arumairajan, Pushpakanthie Wijekoon (2017): Modified Almost Unbiased Liu Estimator in Linear Regression Model, Communications in Mathematics and Statistics 5 (3) (<https://link.springer.com/article/10.1007/s40304-017-0111-z>)
- (37) Nagarajah Varathan, Pushpakanthie Wijekoon (2017): Optimal Generalized Logistic Estimator, Communication in Statistics-Theory and Methods; (<http://dx.doi.org/10.1080/03610926.2017.1307406>)
- (38) DK Ishara, P Wijekoon (2017): Time Series Analysis for Modeling and Forecasting International Tourist Arrivals in Sri Lanka, British Journal of Mathematics & Computer Science 20 (5), 1-9 (DOI:10.9734/BJMCS/2017/31726)

Extended Abstracts

- (1) Laheetharan A. and P. Wijekoon (2007): "Deriving shrunken estimators for the variance in one-parameter natural exponential families", Peradeniya University Research sessions, Vol 12-PartII, 281-283
- (2) C.L. Jayasinghe, P. Wijekoon and P.V.R. Kumarasiri (2008): "A study on related factors of alcohol and tobacco among school children in Anuradhapura district", Peradeniya University Research sessions, Vol 13-PartII, 359-362
- (3) P.M.S.A. Ruwan, P. Wijekoon and D.R. Weerasekara (2008): "A study on interviewer effect on multi-stage sample surveys", Peradeniya University Research sessions, Vol 13-PartII, 362-366

- (4) Laheetharan A. and P. Wijekoon (2008): "Estimating the population variance of binomial distribution when kurtosis is known", Peradeniya University Research sessions, Vol 13-PartII, 366-369
- (5) D. Edirisinghe, P. Wijekoon and L. Perera (2008): "A study of the influence of school and home environments on the health of children", Peradeniya University Research sessions, Vol 13-PartII, 369-372
- (6) Laheetharan A. and P. Wijekoon (2008): "Estimating the population variance of binomial distribution when kurtosis is known", Peradeniya University Research sessions, Vol 13-PartII, 366-369
- (7) P.M.S.A. Ruwan, P. Wijekoon and S. Madawala (2009), Statistical Model based solution on identifying negative factors in Forest colonization, Peradeniya University Research sessions, Vol 14-PartII, 580-583
- (8) W.L.R.D.Gunathilaka, P.Wijekoon, K.M.G.G. Jayasuriya (2009), Effects of Storage Temperature and Storage time on Physical Dormancy break of Ipomeoa Hederacea seeds, Peradeniya University Research sessions, Vol 14-PartII, 586-589
- (9) A.S. Kalpage, P. Wijekoon and S. Madawala (2009), Spatial Distribution of soil nutrients in the Forest Dynamic plot in Sinharaja, Peradeniya University Research sessions, Vol 14-PartII, 583-586
- (10) C. Paranirupanathan, P.Wijekoon (2009), A Study of Inflation in Sri Lanka using new Colombo Consumer's Price Index (CCPI(N)) with compared to the old CCPI, Peradeniya University Research sessions, Vol 14-PartII, 580-583
- (11) C.Manoj, P.Wijekoon, Roshan D. Yapa (2009), Patterns of Density plots of Random Effects Logistic Regression Models, Peradeniya University Research sessions, Vol 14-PartII, 577-580
- (12) C.Manoj, P.Wijekoon, Roshan D. Yapa (2010): Adjustment on William's method when negative variance components occur in underdispersed Logistic models, Peradeniya University Research sessions, Vol 15-PartII, 759-762
- (13) H.H.Y.De Silva, P. Wijekoon and I.A.U.N.Gunatilleke(2010): Identifying the flowering patterns of Phenological events of eight Shorea species in Sri Lanka, Peradeniya University Research sessions, Vol 15-PartI, 290-293
- (14) R.P.Senadeera and P.Wijekoon (2010): Modelling distributions and forecasting of wind speed in selected weather stations of Sri Lanka, Peradeniya University Research sessions, Vol 15-PartII, 531-534
- (15) D.M.C.K. Dissanayake, P. Wijekoon and Jagath Gunatilleke (2010): Spatial distribution of Groundwater Geochemistry in Wariyapola area, Peradeniya University Research sessions, Vol 15-PartII, 528-531
- (16) K. A. N. K. Karunarathna, P. Wijekoon, K. B. Ranawana (2010): Abundance pattern of land snails in Knuckles forest, Peradeniya University Research sessions, Vol 15-PartII, 543-546.
- (17) Chandrabose Manoj, Pushpa Wijekoon (2013) A Simulation based comparison of Binomial Mixture Distributions in handling overdispersion, International Conference: Statistics, Science, and Society: New Challenges and Opportunities, Chennai, India.
- (18) Chandrabose Manoj, Pushpa Wijekoon and Darshana. Yapa (2013) An Improved Method of Modelling Plant Species Population in Japanese Grasslands Using a Generalized Beta-Binomial Distribution, Proceeding of Conference on Sri Lanka - Japan Collaborative Research 2013, Sri Lanka
- (19) Chandrabose Manoj, Pushpa Wijekoon and Roshan D. Yapa (2013) Recent Advances of Binomial Mixture Models in Ecological Applications, Proceeding of: "Statistics in Action"-International Workshop, India

One page Abstracts

- (1) E.R.M.R. Gunatilleke, P. Wijekoon et. Al. (1996) : " Analyzing the growth performance of Shorea seedlings transplanted at different altitudes using ANOVA techniques" , Annual Research sessions, Faculty of Science.
- (2) Wijekoon P. (2000) : "Application of Biased estimation in Regression Analysis", Annual Research sessions, Faculty of Science.

- (3) Faham M.A.A.M. and P.Wijekoon (2000) : "Application of Discriminant analysis for the classification of students in the Faculty of Science".
- (4) Wijekoon P. (2001) : "Iteration and Inversion estimators in the Regression model", Annual Research sessions, Faculty of Science, Proceeding and Abstracts, 1141.
- (5) Jahufer A. and P.Wijekoon (2001) : " Comparison of Ridge Regression estimation and Ordinary Least squares estimation", Annual Research sessions, Faculty of Science, Proceeding and Abstracts, 144.
- (6) Wijekoon P. (2003) : "Improved methods in estimation of mean in natural exponential family", Annual Research sessions, University of Peradeniya, Proceeding and Abstracts, 168.
- (7) Ehelepola E.W.K.J.B. and Wijekoon P. (2003) : "Use of Time series analysis in identifying strength of the global warming phenomena in Kandy district", Annual Research sessions, University of Peradeniya, Proceeding and Abstracts, 169.
- (8) Hubert M.H. and Wijekoon P. (2003) : "Matrix mean square error comparisons of the stochastic restricted Liu estimator and mixed estimator", Annual Research sessions, University of Peradeniya, Proceeding and Abstracts, 171.
- (9) Jahufer A. and Wijekoon P. (2003) : "A simulation study on Ridge type biased estimation", Annual Research sessions, University of Peradeniya, Proceeding and Abstracts, 174.
- (10) Noordeen F. and Wijekoon P. (2003) : "Forecasting cow and buffalo milk production in Sri Lanka: a time series analysis", Annual Research sessions, University of Peradeniya, Proceeding and Abstracts, 187.
- (11) Premeela S. and Wijekoon P. (2004): "Application of rotational residuals for normal diagnostics in regression analysis, A simulation study", Annual Research sessions, University of Peradeniya, Proceeding and Abstracts, 202.
- (12) Kuhananthan S. and Wijekoon P. (2004): "Improved methods in estimation in K-parameter exponential family", Annual Research sessions, University of Peradeniya, Proceeding and Abstracts, 175.
- (13) Hubert M.H. and Wijekoon P. (2004) : "Efficiency of stochastic restricted Liu estimator on incomplete data regression model", Annual Research sessions, University of Peradeniya, Proceeding and Abstracts, 178.
- (14) Niruba J. and Wijekoon P. (2004): " Use of multivariate Time series model to analyze the effect of the global warming phenomenon in Colombo district", Annual Research sessions, University of Peradeniya, Proceeding and Abstracts, 179.
- (15) Hubert M.H. and Wijekoon P. (2006) : "Application on a new stochastic restricted Liu estimator in Linear Regression model", Annual Research sessions, University of Peradeniya, Proceeding and Abstracts, 154.
- (16) Sumanasinghe N, J.P. Edirisinghe, P. Wijekoon, I Karunaratne and S. Dharmaratne (2006): " An online system for accesing the smithsonian hymenopteran collection", Annual Research sessions, University of Peradeniya, Proceeding and Abstracts, 163.
- (17) Manoj C., , P. Wijekoon (2013) A simulation Study on Maximum Likelihood Estimation of Beta-Binomial Dispersion parameter in the presence of severe overdispersion" , The International Conference on Mathematical Sciences and Statistics held in Malaysia from 5-7 February 2013. Proceeding and Abstracts.
- (18) R.M.I.P. Ratnayake, P. Wijekoon, Roshan D. Yapa (2012): The Relationship between All Share Price Index and Macroeconomic Variables: Evidence from Sri Lanka, Peradeniya University Research Sessions, Sri Lanka, Vol 17, 25, held on 4th July 2013.
- (19) S. Arumairajan and P. Wijekoon (2013): Preliminary Test Stochastic Restricted Liu Estimator Based on Wald, Likelihood Ratio and Langrangian Multiplier Tests in the Linear Regression Model, Peradeniya University Research Sessions, Sri Lanka, Vol 17, 157, held on 4th July 2013.
- (20) C. Manoj, P. Wijekoon and R.D. Yapa (2013): Quadratic Approximation Based Confidence Interval for the Beta-Binomial Inverse Dispersion Parameter for Highly Overdispersed Binomial Data, Peradeniya University Research Sessions, Sri Lanka, Vol 17, 158, held on 4th July 2013.

- (21) K.A.N.K. Karunarathna, P. Wijekoon, K.B. Ranawana, (2013) Effect of Different Habitats on Richness of Land Snail Fauna in Knuckles Forest Range in Sri Lanka, Proceedings of International Forestry and Environment Symposium, Sri Lanka. Published by Department of Forestry and Environmental Science, University of Sri Jayewardenepura, Vol 18, 2013
- (22) Chandrabose Manoj, Pushpakanthie Wijekoon, Darshana Yapa (2013) An Improved Method of Modelling Plant Species Population in Japanese Grasslands Using a Generalized Beta-Binomial Distribution, Conference on Sri Lanka - Japan Collaborative Research 2013
- (23) NHWB Herath, P Wijekoon, R Abesekara, (2014) Comparison of Rainfall Patterns Based on the Solar and Lunar Calendars in Tobacco Grown Areas, University Research Sessions, Sri Lanka, Proceedings of the Peradeniya University International Research Sessions, Sri Lanka, Vol. 18, 4
- (24) KHND Rupasinghe, P Wijekoon, C Santiapillai, S Wijeyamohan, (2014) Application of indirect adjusted rates to understand the time and habitat preferences of elephants in Sri Lanka, Proceedings of the Peradeniya University International Research Sessions, Sri Lanka, Vol. 18, 8
- (25) SGJ Senarathne, P Wijekoon, (2014) Skewness Based Comm n Currency Index Method for University Selection In Sri Lanka, Proceedings of the Peradeniya University International Research Sessions, Sri Lanka, Vol. 18, 392
- (26) MA Petangoda, C Manoj, P Wijekoon, IAUN Gunathilake, (2014) Investigating Spatial Characteristics of Tree Species in Sinharaja Forest Dynamic Plot Using Binomial Mixture Models, Proceedings of the Peradeniya University International Research Sessions, Sri Lanka, Vol. 18, 390
- (27) S. Arumairajan, P. Wijekoon (2014): Mean square error matrix comparison between two biased estimators in the regression model, Proceedings of the Postgraduate Institute of Science Research Congress, Sri Lanka, Vol.1, 39
- (28) W.R.N. Amunupura, P. Wijekoon, I.A.U.N. Gunatilleke and S.A. Ruwan (2015) Application of Generalized Linear Mixed Models to analyze mean mortality rates of tree species in Sinharaja forest, Proceedings of the Postgraduate Institute of Science Research Congress, Sri Lanka, Vol.2, 50
- (29) D.M.D.M. Dissanayake, P. Wijekoon, and I.A.U.N. Gunatilleke (2015) Growth rate analysis of tree species in Sinharaja forest using Hierarchical and Longitudinal Models. Proceedings of the Postgraduate Institute of Science Research Congress, Sri Lanka, Vol.2, 51
- (30) A.D.Bulathsinghala, P. Wijekoon and Dushan Kumarathunge (2015) A Predictive Model for annual National coconut production (ANCP) of Sri Lanka, Proceedings of the Peradeniya University International Research Sessions, Sri Lanka, Vol. 19
- (31) EMEK Ekanayake (2017) Analysing Mortality rate of *mesua nagassarium* and *ferrea* of Sinharaja forest dynamic plot, Vol. 21

Postgraduate Supervision

M.Sc., projects supervision (completed)

- 1) Mr. C..J. Rajanathan, (APS/98/168) M.Sc. in Applied Statistics, 1998/99, PGIS
- 2) Mr. A. Jahufer, (APS/98/161) M.Sc. in Applied Statistics, 1999/2000, PGIS
- 4) Mr. H. M. M. Naleer, (APS/98/166) M.Sc. in Applied Statistics, 1999/2000, PGIS
- 3) Mr. P. Vigneswaran, (APS/99/69) M.Sc. in Applied Statistics, 1999/00, PGIS
- 4) Ms. K. Gunasingham, (APS/99/61) M.Sc. in Applied Statistics, 1999/00, PGIS
- 5) Mr. E.W.K.J.B. Ehelepola, (APS/99/60) M.Sc. in Applied Statistics, 1999/00, PGIS
- 6) Ms. F. Noordeen, (APS/01/04) M.Sc. in Applied Statistics, 2001/02, PGIS
- 7) Ms. S. Wijegunawardene, M.Sc. in Science Education, 2003/04, PGIS
- 8) Mr. P. Ainkaran (APS/99/57) M.Sc. in Applied Statistics, 1999/00, PGIS
- 9) Ms. N. Jeyarajasingam (SC/02/24) M.Sc. in Applied Statistics, 2002/03, PGIS
- 10) Mr. S. Kuhanathan (SC/02/25) M.Sc. in Applied Statistics, 2002/03, PGIS
- 11) Ms. P. Sabanathan (SC/02/30) M.Sc. in Applied Statistics, 2002/03, PGIS
- 12) Mr.T Theepthakumar (SC/02/33) M.Sc. in Applied Statistics, 2002/03, PGIS

- 13) Ms. SCJ Dissanayake (APS/04/02) M.Sc. in Applied Statistics, 2003/04, PGIS
- 14) Ms JKBN Jayakody (APS/04/04) M.Sc. in Applied Statistics, 2003/04, PGIS
- 15) Mr A Pragalathan (APS/04/10) M.Sc. in Applied Statistics, 2003/04, PGIS
- 16) Ms P Shanmugam (APS/04/12) M.Sc. in Applied Statistics, 2003/04, PGIS
- 17) Ms GGD Edirisinghe (APS/05/02) M.Sc. in Applied Statistics, 2005/06, PGIS
- 18) Mr CL Jayasinghe (APS/05/06) M.Sc. in Applied Statistics, 2005/06, PGIS
- 19) Ms RMLS Siriwardana (APS/06/46) M.Sc. in Applied Statistics, 2006/07, PGIS
- 20) Mr PMSA Ruwan (APS/07/35) M.Sc. in Applied Statistics, 2007/08, PGIS
- 21) Ms ASN Amarasekara (APS/06/29) M.Sc. in Applied Statistics, 2006/07, PGIS
- 22) Ms EMCP Edirisinghe (APS/06/32) M.Sc. in Applied Statistics, 2006/07, PGIS
- 23) Ms AS Kalpage (APS/07/18) M.Sc. in Applied Statistics, 2007/08, PGIS
- 24) Ms WLRD Gunathilaka (APS/07/13) M.Sc. in Applied Statistics, 2007/08, PGIS
- 25) Ms AAKU Atapattu (APS/06/31) M.Sc. in Applied Statistics, 2006/07, PGIS
- 26) Ms C Paranirupanathan (APS/07/13) M.Sc. in Applied Statistics, 2007/08, PGIS
- 27) Ms. T. Balachandran (APS/08/02) M.Sc. in Applied Statistics, 2008/09, PGIS
- 28) Ms. R. P. Senadeera (APS/08/24) M.Sc. in Applied Statistics, 2008/09, PGIS
- 29) Ms. H.H.Y. De Silva (APS/08/05) M.Sc. in Applied Statistics, 2008/09, PGIS
- 30) Mr. K.A.N.K. Karunarathna (APS/08/15) M.Sc. in Applied Statistics, 2008/09, PGIS

M.Phil., Degree supervision

- 1) Mr. A. Jahufer, Probationary lecturer, South Eastern University, 2004, PGIS
- 2) Mr MH Hubert, Probationary lecturer, Vavuniya Campus, Uni. of Jaffna, 2007, PGIS
- 3) Mr A Laheetharan, Probationary lecturer, University of Jaffna, 2010, PGIS
- 4) Mr. C Manoj, Temporary Demonstrator, University of Peradeniya, 2015, PGIS
- 5) Ms. R.R. Nanayakkara, University of Peradeniya, 2016, PGIS
- 6) Mr. K.A.N.K. Karunarathna, Probationary lecturer, Eastern Uni. of Sri Lanka, PGIS (submitted)

Ph.D. Degree supervision

- 1) Mr. S. Arumairajan, Probationary lecturer, Uni. of Jaffna, 2016, PGIS
- 2) Mr. Varathan, Senior lecturer, Uni. of Jaffna, PGIS, (in progress)

Research Interests:

- Improved methods in Estimation in the Exponential Family of Distributions
- Mixed estimation, Ridge type estimation, Stein-Rule estimation and Preliminary test estimation in the Linear Regression Model
- Misspecified Linear Models, and Binomial –Mixture models
- Applications using Time Series Analysis, Multivariate methods, Circular Statistics and Spatial Statistics

Workshops & Short Courses conducted:

Resource person - Short Course on Survey Sampling (1996), Short Course on Medical Statistics (1997), Buffet on Computer Applications and Statistics (2003)

Coordinator and Resource person - Short Course on Business Statistics with Computer Applications (2002), Actuarial Statistics: Mathematical and Computational Applications (2006), Data Management and Analysis in Criminal Statistics (2009), Analysis of Experimental Data: Biological and Medical applications (2011), Data Analysis using R and R-Studio (2013)

Other relevant particulars

1. Awarded DAAD scholarship from Germany to do Ph.D. studies from 1st April, 1987 to 30th September, 1990.
2. Received a Follow up invitation from DAAD, Germany to do research from 1st September to 30th November, 2002

3. Co-investigator of the NSF Grant No: RG/2005/EB/06 (Amount Rs. 120,000/-) for 2005/2006 to Establish a database on insect specimens in the ISDF of the Dept. of Zoology, University of Peradeniya.

Professional Experience:

Period	Position	Name of Project and major features	Activities Performed	Client
March 2008	Participant	Research in Tropical Forests, Malaysia	Statistical Data Analysis using R, Field visit to Danum Valley, Sabah, Malaysia Rainforest	Royal Society, South East Asia Rainforest Research Programme
November 2008.	Participant	“Sinharaja Forest plot of CTFS-AA Asia Database II (Tropical Forest Science), Singapore	Statistical Analysis of Data collected at the first census using R in Sinharaja Forest Dynamic Plot (FDP), and Database management techniques required for FDP Database	Center for Tropical Forest Science at Harvard University, U.S.
July/ August, 2014.	Participant	“Forest Global Earth Observatory Analytical Workshop”, China	Statistical Analysis of Data collected at the first, second and third census in Sinharaja Forest Dynamic Plot (FDP) using R.	Center for Tropical Forest Science at Harvard University, U.S.A
September 2009	Member of the Research group	“Statistical Analysis in Spatial Diversity”	Discussions for collaborative research using the database of Sinharaja FDP.	Center for Environment Research, Leipzig, Germany
August 2011.	Member of the statistical team	Island-wide survey of wild elephants in Sri Lanka	Principal statistician of the survey; helped to design the survey, to save data getting the help of the university students, and to perform statistical analysis.	Department of Wildlife conservation in Sri Lanka,
August-September 2010	Professional coordinator	Survey to assess the level of Capital market awareness organized by Securities and Exchange Commission of Sri Lanka	A co-supervisor for undergraduate statistics special students; guided to design the questionnaire to collect data, to perform statistical analysis, and finally to write the final report.	University of Peradeniya
Oct, 2010	Supervisor	Survey on “Prisoners who have committed minor offences in Welikada Prison, Sri Lanka	A co-supervisor for undergraduate statistics special students; guided to design the questionnaire to collect data, to collect data by visiting Welikada Prison, to perform statistical analysis, and finally to write the final report.	University of Peradeniya