

Md. Hasinur Rahaman Khan (Brief CV)

Contact Information	Research Student Department of Statistics University of Warwick Coventry, CV4 7AL United Kingdom	<i>Room:</i> C1.02 <i>Tel.:</i> +44 (0)7831952633 <i>Fax:</i> +44 (0)24 7652 4532 <i>E-mail:</i> M.H.Rahaman-Khan@warwick.ac.uk <i>Web:</i> www.warwick.ac.uk/go/hasinurkhan
Citizenship	Bangladeshi	
Education	Ph.D in Statistics (Expected by 2011/12), M.Sc.(Warwick, Dhaka), B.Sc.(Dhaka)	
Awards and Scholarships	Merit scholarship for both B.Sc. and M.Sc from University of Dhaka Bangladesh Public Service Commission, People's Republic of Bangladesh 1st position in the cadre "Statistical Officer", 24th BCS Exam. (2004) Department of Statistics, University of Warwick, UK Department Bursary for MSc (2007-08) CRiSM award for PhD (2008-2011/12) Department of Community Based Medicine, University of Bristol, UK ORS and departmental award for PhD (2008; declined)	
Current Employment	<i>Lecturer</i> (since 2005; currently on leave) Applied Statistics, I.S.R.T, University of Dhaka, Bangladesh	
Publications since 2007	Articles: M.H.R. Khan and Md. Asaduzzaman (2007). Literate Life Expectancy in Bangladesh: A New Approach of Social Indicator. <i>Journal of Data Science</i> , Vol. 5(1): 131-142. M.H.R. Khan (2008). Comparative Study of Exponential Regression Model and Cox Regression Model with Simulated Data. <i>Dhaka University Journal of Science</i> , Vol. 56(2): 211-214. Md. Asaduzzaman and M.H.R. Khan (2009). Identifying Potential Factors of Childbearing in Bangladesh, <i>Asian Social Science</i> , Vol. 5(3): 147-154. M.H.R. Khan and Razia Sultana (2009). Bayes Estimator Leads to Classical Estimators under Some Conditions of Prior Distribution for Exponential Distribution: A Simulation Study. <i>Journal of Statistics and Applications</i> , Vol. 4(4): 509-520. M.H.R. Khan and J.E.H. Shaw (2009). Determinants of Contraceptive Use in Bangladesh: A Hierarchical Modeling Approach. <i>The International Journal of Interdisciplinary Social Sciences</i> , Vol. 4(4): 103-118. M.H.R. Khan and J.E.H. Shaw (2010). Multilevel Logistic Regression Analysis Applied to Binary Contraceptive Prevalence Data. <i>Journal of Data Science</i> (Forthcoming). Book: M.H.R. Khan (2010). Multilevel Logistic Regression Analysis of Contraceptive Binary Data: Basics, Applications, Interpretations. <i>VDM Verlag Dr. Miller</i> . Available at Amazon.	

**Conferences
/talks since
2008**

“Bayes Estimator Leads to Classical Estimators under Some Conditions of Prior Distribution for Exponential Distribution: A Simulation Study”, “17th ICSA Applied Statistics Symposium 2008”, June 4-7, New Jersey, USA.

“Bayesian Variable Selection Methods for Parametric AFT Models in High Dimensions”, “32nd Research Students’ Conference in Probability and Statistics 2009”, March 23-26, Lancaster University, UK. [Talk]

“Multilevel Logistic Regression Analysis of Contraceptive Prevalence in Bangladesh”, “4th International Conference on Interdisciplinary Social Sciences 2009”, July 8-11, University of Athens, Greece.

“The Sensitivity of Priors in Bayesian Variable Selection for Parametric AFT Models in High Dimensions”, “30th Annual Conference of the International Society for Clinical Biostatistics (ISCB) 2009”, August 23-27, University of Economics, Prague, Czech Republic. [Talk]

“Bayesian Variable Selection Methods for Parametric AFT Models in High Dimensions”, Institute of Statistical Research and Training (ISRT), January 16, 2010, University of Dhaka, Bangladesh. [Talk]

“Penalized Weighted Least Squares Variable Selection Method for AFT Models with High Dimensional Covariates”, “33rd Research Students’ Conference in Probability and Statistics 2010”, April 12-15, University of Warwick, UK. [Talk]

“The Bayesian Elastic Net and Related Methods” presented in “Model Uncertainty Workshop 2010”, May 30- June 1, University of Warwick, UK. [Poster]

“Bayesian and Non-Bayesian Variable Selection for Parametric AFT Models in High Dimensions” presented in “9th Valencia International Meeting on Bayesian Statistics 2010”, June 03-08, Benidorm, Spain. [Poster]

“Penalized regression approaches to variable selection for AFT models in high dimensions” presented in “31st Annual Conference of the International Society for Clinical Biostatistics 2010, 29 August-02 September, Montpellier, France. [Poster]

**Research
Supervision**

One thesis work (MSc student) and six project work (MSc and BSc students)

**Teaching Since
2008**

Department of Statistics, University of Warwick, UK

Tutorial of Probability A & B (2008/09)

Tutorial of Statistical Laboratory 1 (2009/10)

Tutorial of Probability A & B (2010)

**Computing
Skill**

Programming/Statistical Packages

R, S-Plus, SPSS, MLwiN, WinBUG, Matlab

Applications

L^AT_EX, T_EX, B_IB_TE_X, Microsoft Office

Operating Systems

Microsoft Windows XP/2000/Vista, Linux (Preliminary)

**Professional
Activity**

Life member, Bangladesh Statistical Association (BSA)

Student member, Institute of Mathematical Statistics (IMS)

Student member, International Society for Bayesian Analysis (ISBA)

Member, International Society for Clinical Biostatistics (ISCB)

**Latest
Important
Course Work**

University of Warwick (PhD in Statistics)

Academy for PhD Training in Statistics (APTS):

Statistical Inference (by D R Cox and D Firth)

Statistical Computing (by S N Wood)

Statistical Modelling (by A C Davison and J J Forster)

Statistical Asymptotics (by G A Young)

Spatial and Longitudinal Data Analysis (by P J Diggle)

Nonparametric Smoothing (by A Delaigle)

University of Warwick:

Monte Carlo Methods, Advanced Topics in Statistics

University of Lancaster:

New Bayesian methods for model comparison (Murray Aitkin)