

CV
Of

Azmeri Khan, Ph.D.

Professor of Applied Statistics and Director
Institute of Statistical Research and Training (ISRT)
University of Dhaka, Dhaka 1000, BANGLADESH.

**PERSONAL
INFORMATION**

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Date Of Birth: December 12, 1965.

Sex: Female.

Nationality: Bangladeshi

Religion: Islam

EDUCATION

- 2003** Ph. D. in Statistics
School of Computing and Mathematics
Deakin University
AUSTRALIA.
- 1998** M.Sc. in Statistics
School of Computing and Mathematics
Deakin University,
AUSTRALIA.
- 1990** Master of Science in Statistics
Department of Statistics,
University of Dhaka
Dhaka, BANGLADESH
First Class First Position
- 1989** Bachelor of Science (Honours) in Statistics
Department of Statistics,
University of Dhaka
Dhaka, BANGLADESH
First Class Second Position
Subsidiary Subjects Studied: Mathematics and
Economics.

EMPLOYMENT RECORD (Full-time)

December 2008 – Tilldate	Professor of Applied Statistics Institute of Statistical Research and Training (ISRT) University of Dhaka, BANGLADESH.
January 2005 – January 2008	Director (Head of the institute) Institute of Statistical Research and Training (ISRT) University of Dhaka, BANGLADESH.
July 2003– December 2008	Associate Professor of Applied Statistics Institute of Statistical Research and Training (ISRT) University of Dhaka, BANGLADESH.
August 1998 – July 2003	Assistant Professor of Applied Statistics Institute of Statistical Research and Training (ISRT) University of Dhaka, BANGLADESH.
January 1992 – August 1998	Lecturer of Applied Statistics Institute of Statistical Research and Training (ISRT) University of Dhaka, BANGLADESH.

MAJOR CONSULTING EXPERIENCES

2011 Consultant <i>Quantitative Evaluation of Reaching Out of School Children (ROSC) Project of World Bank and Government of Bangladesh.</i>	<i>Key tasks included:</i> Assisting the team leader in developing survey research designs, including drafting survey instruments and applying appropriate sampling techniques, fielding of survey instruments, performing analyses of data collected to assess the ROSC experience. The specific objective of the quantitative evaluation is to determine the learning achievement of students completing Grade 5, and estimate the transition rate of students to secondary education.
2010 Consultant <i>Qualitative Study on Lesson learned, challenges and best practices of the Jibon O Jibika (JOJ) Project of Save the Children USA.</i>	<i>Key tasks included:</i> Assisting the team leader in designing and conducting associate workshop, FGD, interview for collecting information related to three program component of the project: Food availability, The health and nutrition Resilience to shocks.
2010 Consultant <i>Baseline Survey 2009 on Enhancing Life and Livelihoods (ELL) Project of Save the Children USA.</i>	<i>Key tasks included:</i> Assisting the team leader in designing questionnaire and the survey implementation plan for assessment of the livelihood indicators of the rural households in the three districts of Barisal Division. Monitor field data collection and analysis and prepare report on findings.

OTHER WORK EXPERIENCES

- January 2001 – September 2002 **Adjunct faculty**
School of Computing and Mathematics
Deakin University, AUSTRALIA.
(On leave from University of Dhaka)
- June 2000- 2002 **Assistant Editor**
Journal of Statistical Research (JSR)
University of Dhaka, BANGLADESH.
- January 2006 – 2012 **Adjunct faculty**
Department of Economics,
East West University, Bangladesh.

RESEARCH SUPERVISION

1. 2004 **Tahmina Begum**, Smoothing the detection function using moving average estimation of density and detectability index, *M.Sc. thesis, Institute of Statistical Research and Training, University of Dhaka.*
2. 2005 **A. S. M. Borhan**, One sample test of location for symmetrical non-normal data, *M.S. thesis, Institute of Statistical Research and Training, University of Dhaka.*
3. 2006 **Mohammad Mamunur Rahman**, On methods of identifying out-of-control variables and their effect on locations as well as on scale for subgroup data in multivariate statistical process control, *M.S. thesis, Institute of Statistical Research and Training, University of Dhaka.*
4. **Fahmida Humayra**, Fitting structural equation model with symmetric nonnormal error: A parametric test, *M.S. thesis, Institute of Statistical Research and Training, University of Dhaka.*
5. 2007 **Suborna Shekhor Ahmed**, Comparative study on the test of normality: Conventional tests and numerical likelihood ratio test, *M.S. thesis, Institute of Statistical Research and Training, University of Dhaka.*
6. **Muhammad Miaraz Hossen Gazi**, Modified estimation methods for adaptive cluster sampling with selected order statistics, *M.S. thesis, Institute of Statistical Research and Training, University of Dhaka.*

PUBLICATIONS

1. Khan A., Rahman Sunzida and **S. S. Hossain** (2018) Less Restrictive Assumption for Distributional Characterization: A g-and-k Distribution Approach, *International Journal of Statistics & Economics*, **19** (4), 14-26.
2. Shaila Sharmin and **Khan A.** (2015) Forecasting the Production of Natural Gas and Its Impact on Electricity and GDP in Bangladesh, *International Journal of Energy, Environment, and Economics*, **23** (2).

3. Jahan, S. and **Khan, A.** (2012), Power of t-test for simple Linear regression Model with Nonnormal Error Distribution: A Quantile Function Distribution Approach, *Journal of Scientific Research*, 4 (3), Page 609-622.
4. **Khan A** and Hossain, S. S. (2010) Many Sample Location Test With Quantile-Function Error Distributions: An Almost Robust Test, *Journal of Statistics and Application*, 5 (2), 139-160.
5. Homayara, F., Hossain, S. S. and **Khan A.** (2009) Sensitivity Analysis of Structural Equation Model with Non-normal Observed Variable, *Journal of Interdisciplinary Mathematics*, 12 (4), 499-513.
6. Borhan, A. S. M. and **Khan A.** (2009) Sensitivity to Non-normality of one-sample t-test, Wilcoxon test and z-test, *Dhaka University Journal of Science*, 57 (1), 61-66.
7. **Khan, A.** (2008) A combination of adaptive and line intercept sampling applicable in agricultural and environmental studies, *Journal of Statistics*, 15, 44-53.
8. Hossain, S. S. and **Khan A.** (2008) Sensitivity of Ranked Set Sampling to the Shape Characteristics of the Underlying Population: A g-and-k Distribution Approach, *Pakistan Journal of Statistics*, 24 (3), 207-216.
9. Borhan, A. S. M., Hossain S. S. and **Khan A.** (2006) A numerical Likelihood ratio test (NLRT) for one sample location in symmetric non-normal situations, *Dhaka University Journal of Science*, 55 (2), 225-229.
10. Hossain, S. S. and **Khan A.** (2006) Test procedures with selected ranked set sampling, *Statistica*, 46 (2), 161-170.
11. Hossain, S. S. and **Khan. A.** (2004) Hypothesis tests on the scale parameter using median ranked set sampling, *Dhaka University Journal of Science*, 52, 271-279.
12. Hossain, S. S., **Khan, A.** and B. Zainab. (2003) Tests of Hypotheses Using Median Ranked Set Sampling Data from the Normal Population, *Journal of Statistical Studies*, 23, 1-9.
13. **Khan A.** and Rayner G. D. (2003) Robustness to non-normality of common tests for the many sample Location problem, *Journal of Applied Mathematics and Decision Sciences*, 7 (4), 187-206.
14. **Khan A.** and Muttlak H. A. (2002) Adjusted two-stage adaptive cluster sampling, *Applied Mathematics and Computation*, 126, 83-95.
15. **Khan, A.** and Hossain, S. S. (2002) Repeated Application of Ranked Set Sampling, *Journal of Statistical Studies*, 22, 41-45.
16. **Khan A.** and Muttlak H. A. (2000) Adjusted two-stage adaptive cluster sampling with ranked set sampling, *Bangladesh Journal of Scientific Research*, 18, 311-323.
17. **Khan A.** (1999) et. al., Adaptive cluster sampling for characteristics other than total number of elements, *Parisankhyan Samikkha*, 6, 19-32.
18. Hossain, S. S. and **Khan, A.** (1995) A Monte-Carlo study on REML estimators of variance components of one-way heteroscedastic crossed random models, *Bangladesh Journal of Scientific Research*, 13, 21-30.
19. Hossain, S. S. and **Khan, A.** (1994) Maximum likelihood estimations of variance components of heteroscedastic random ANOVA model, *Communications in Statistics-Theory and Methods*, 23, 2449-2467.

THESES

- 1 2003 Khan, A. Many-sample location and scale tests with quantile-function error distributions, unpublished *Ph. D. thesis, School of Computing and Mathematics, Deakin University, Australia.*
- 2 1998 Khan, A. Some Aspects of Adaptive Cluster Sampling, unpublished *M. Sc. thesis, School of Computing and Mathematics, Deakin University, Australia.*

SCHOLARSHIPS

January 1996 – January 1998	Received Deakin University Post Graduate Research Scholarship for conducting M.Sc. research.
March 2001 – April 2003	Received Deakin University Post Graduate Research Scholarship for conducting Ph.D. research.
Sep 1990	Received the Q.M. Husain award for being placed in the First Class First Position in The M.Sc. Examination.
Sep 1989	Received the Q.M. Husain award for being placed in the First Class Second Position in The B.Sc. (Honours) Examination.

MEMBERSHIP OF PROFESSIONAL BODIES

Life member	Bangladesh Statistical Association
Life member	Bangladesh Association of the advancement of Sciences

(Azmeri Khan)
Signature