CURRICULUM VITAE

NAME
Muhammad N. Islam

COMPLETED ACADEMIC DEGREES

Degree Name	Subject Area	Where Completed	Date
Ph.D. (GPA =3.94/4)	Statistics	University of Calgary	1985
M. Sc. (GPA=3.9/4)	Statistics	University of Saskatchewan	1981
Diploma (1st class 1st)	Statistics	ISRT, University of Dhaka	1975
M. Sc. (1st class 2nd)	Applied Mathematics	University of Dhaka	1974
B.Sc. (Hons) (1st class 1st)	Mathematics	University of Dhaka	1972

ACADEMIC APPOINTMENTS

Appointment Level	Institution	Dates	Subject Area
Associate Professor	North South University	2013- To date	Statistics and Mathematics
Assistant Professor	MacEwan University	2010- 2013	Statistics
Instructor	Grant MacEwan College	1998-2010	Statistics
Instructor	University of Northern British Columbia	1997-1998	Statistics & Mathematics
Assistant Professor	Dalhousie University	1992-1997	Statistics
Assistant Professor	Memorial University of Newfoundland	1991-1992	Statistics
Teaching Fellow	National University of Singapore	1988-1990	Statistics
Statistician	Summacorp R & D Labs (Calgary)	1985-1988	Statistics
Lecturer	ISRT, Dhaka University	1975-1979	Mathematics & Statistics
Lecturer	RUET (Rajshahi Engineering College)	1975	Mathematics

TEACHING EXPERIENCE

Institution	Dates	Courses Taught
North South University	2013- To date	Mat 116, Precalculus Mat 361 Probability & Statistics for the engineering
Grant MacEwan University	1998-2013	Stat314, Mathematical Statistics Stat353, Design and analysis of experiments Stat350, Sampling theory and applications Stat265, Elements of probability & Statistical Theory I Stat252, Introduction to Applied statistics II Stat221, Applied Probability Stat151, Introduction to applied statistics I Stat141, Introduction to Statistics
University of Northern British Columbia	1997-1998	Math151, Calculus for non-majors Math242, Statistics for health and social sciences Math342, Biostatistics Math340, Introduction to probability Math499, Regression and experimental design
Dalhousie University	1992-1997	Stat2080, Statistical methods for data analysis and inference Stat3360, Intermediate statistical theory Stat3380, Sample survey methods MSC207, Introduction to statistics for commerce
Memorial University of Newfoundland	1991-1992	Math2500, Statistics for commerce and arts students I Math2501, Statistics for commerce and arts students II Math2510, Statistics for science students I

National University of Singapore	1988-1990	Stat103/203, Statistics I
		Stat105/205, Elements of data analysis
		Stat207/306, Elements of computer and programming
		Stat201, Probability and distribution theory

SCHOLARLY PARTICIPATION

Referred Publications

Date	Activity
2014	On the Markov Chain Binomial Model, Applied Mathematics, April 2014, Vol 4, No. 12, Scientific Research Publishing http://www.scirp.org/journal/am
1996	A random graph model for the final-size distribution of household infections, with C.D.O'Shaughnessy and B. Smith. Statistics in Medicine, vol 15, 837-843, 1996.
1995	A stochastic model for surname evolution, Biometrical Journal, vol. 37, No. 1, pp. 119-126, 1995.
1994	Influence of systematic hypothermia on systolic and diastolic unctional recovery after continuous warm antegrade blood cardioplegia, with R.Landymore et.al. Eur J Cardio-Thorac Surg., 8:493-499, 1994.
1994	Medial Epicondylitis: A biomechanical analysis and an evaluation of intervention strategies, with Glazebrook et al. The American Journal of Sports Medicine, Vol. 22, No. 5, pp.674-679, 1994.
1992	The Generalized Negative Binomial Distribution as a Horse-Racing Model and its Empirical Bayes Estimation, with P.C. Consul. Journal of Statistical Research, vol. 26, Nos.1 &2, pp. 17-28, 1992.
1992	A probabilistic model for automobile claims, with P.C.Consul, Journal of the Swiss Association of Actuaries. pp. 85-93, 1992.
1991	The Consul distribution as a bunching model in traffic flow, with P.C. Consul. Journal of transportation research-B, vol. 25,No.5,pp. 365-372, 1991.
1986	Bayesian estimation in a generalized negative binomial distribution, with P.C. Consul. Biometrical Journal, vol.28, No. 3, pp.259-286, 1986.

ACADEMIC AND PROFESSIONAL PRESENTATIONS

2012	Comparing Distributions Using Data Driven Statistics, SSC Annual Meeting, University of Guelph, Ontario, June 5, 2012.
2011	On ranking of science fair projects, North-South Dialogue & Alberta Colleges Math Conference, University of Mount Royal, May 6,2011
2010	Analysis of incomplete & irregularly spaced blood sugar response data from longitudinal study, SSC Annual Meeting, University of Laval, Quebec City, May 26, 2010.
2009	Analyzing blood sugar response data from a longitudinal study. North-South Dialogue & Alberta Colleges Math Conference, Red Deer College, May 1-2, 2009.
2008	How numbers reveal and conceal the truth in qualitative data? SSC Annual Meeting, University of Ottawa, May 25-29, 2008.
1995	A clinical research database for cardiac rehabilitation, Canadian Association of Cardiac Rehabilitation Conference, Toronto, Canada, October 22-24, 1995.

1994	A model of extrabinomial variation, International Biometric Conference, Hamilton, Ontario, Canada, August 8-12, 1994.
1994	A random graph model for the final-size distribution of household infections, Conference on Statistics and Computing in Disease Clustering, Vancouver, British Columbia, Canada, July 21-22, 1994.
1993	A stochastic model for surname evolution, Statistical Society of Canada, Annual meeting at Wolfville, Nova Scotia, Canada, June 9, 1993.
1993	Genetic and morphometric characteristics of eastern white pine, Statistical Society of Canada, Annual meeting at Wolfville, Nova Scotia, Canada, June 7, 1993.
1993	A statistical model for inherited diseases, Third national conference of the Canadian Society for Epidemiology and Biostatistics Epidemiology at Quebec city, Quebec, Canada, June 2, 1993.

SERVICE

SERVICE AT NSU

- Served in various hiring committees in the Mathematics and Physics Department at NSU.

SERVICE AT MACEWAN

- Served in various hiring committees in the Mathematics and Statistics Department at MacEwan.

- Served as a member for 2 years & a half on Academic Council at MacEwan (2006-2009)

- Served as a member for 3 years on the Faculty Association Governance Council at MacEwan (July 2007-June 2010)

- Served as a member in the organizing committee of the ISSOTL (International Society for the Scholarship of Teaching and Learning) 5th Annual Conference, October 16th – 19th, 2008, Edmonton, Alberta, being co-hosted by MacEwan and the U of A.
- Served as a member on the Learning Technologies Sub-Committee (2002) at MacEwan.

SERVICE OUTSIDE ACADEMIC

- Served as a member on the Edmonton Regional Science Fair Council (2006 – To date).

- Served as member on the Board of Trustees with Edmonton Islamic Academy (January 2008- November 2010)).

- Served as the President of Bangladesh Canada Association of Edmonton (2003).

PROFESSIONAL MEMBERSHIPS, QUALIFICATIONS and EXPERIENCE
Professional Affiliations

Member, Statistical Society of Canada.

Consulting

While I was an Assistant Professor at Dalhousie University, I provided consultancy service to faculty and graduate students in Medicine and Allied Health Sciences.