

0.1 Personal Information

Full Name	MOHAMMAD NURUL AZAM
Mailing Address	4 Bonham Crescent Oakleigh East, Melbourne, Victoria 3166, Australia Phone: +61 3 9543 1041 (Home), Mobile: +61 412 846 073
Current Address	Department of Quantitative Analysis, College of Business Administration. King Saud University, Riyadh 11451, Kingdom of Saudi Arabia Phone: +96614674991 (work), Mobile: +966564850692
Email	mazamd@gmail.com (preferred) mazam@ksu.edu.sa
Date of Birth	31 st December, 1957
Gender	Male
Marital Status	Married (Wife Dr Mahbuba Yeasmin, University Teacher)
Citizenship	Australian

0.2 Major Field of Specialization Applied Statistics, Business Statistics and Econometrics**0.3 Areas of Research Interest**

Primary: Data analysis, Modeling Financial data, Forecasting, Design of experiment, Time series Analysis, Regression, Structural change, Biostatistics, Econometrics, Environment, Climate change, Carbon emission, Demography, Rural development, Education, generalized linear models and nonlinear regression models, Gait data analysis, Citation analysis

Secondary: Financial Econometrics, Environmental Data Analysis, Islamic Finance, Corporate Finance, panel data models; Descriptive Statistics, Applied Statistics

1. Essential Background**1.1 Education**

1997 – 2001	PhD. in Business Statistics and Econometrics (18-APR-2002) Department of Econometrics and Business Statistics Monash University , Clayton Melbourne, Victoria, Australia
1987 – 1988	Master of Applied Statistics (MAS)(27-May-1989) Memorial University of Newfoundland St. John's Newfoundland, Canada
1980 – 1982	Master of Science (MSc) in Statistics (1979) First Class

Department of Statistics
Jahangirnagar University, Dhaka, Bangladesh

1976 –1980 B.Sc. Honors in Statistics, minors: economics and
mathematics (1978)
First Class, First Position

2008 Certificate IV in Business (Small Business Management),
Holmesglen Institute, Melbourne, Australia. 2008.

1.2 Employment History

1.2.1 Teaching

CURRENT EMPLOYMENT

Institution: Department of Quantitative Analysis, *College of Business Administration*. King Saud University, *Riyadh, Kingdom of Saudi Arabia*

Teaching courses:

DSC562 (MBA):Applied Multivariate Methods,
QUA502 (MBA):Business Statistics
QUA537 (MBA):Statistical Methods in Hospital Administration
QUA307 Business Forecasting,
QUA207 Business Statistics,
QUA204 Linear Algebra in Business,
QUA107 Introduction to Statistics in Business.

Administrative responsibility: Course coordinator DSC562 (MBA), QUA502, QUA537, QUA 307, QUA 107, Member of Graduate studies committee. Developing new subjects, teaching materials, Course design, Lecture notes preparation, Assignment setting, Tutorial questions and answer, Class test midterm and final question setting, actively involved faculty and departmental research, academic, administrative and engaging in other scholarship activities of the department as well as faculty.

PREVIOUS EMPLOYMENT (in chronological with dates)

Name & Address of Employer	Position or Rank	From	To
		Month Year	Month Year
<i>Department of Quantitative Analysis,</i> <i>College of Business Administration.</i> <i>King Saud University, Riyadh, Kingdom</i> <i>of Saudi Arabia</i>	Associate Professor	11-2011	Up to date
Department of Applied statistics, University of Malaya, Kuala Lumpur, Malaysia.	Contract Teaching position	07-2009	07-2011
Monash University , Clayton, Melbourne, Victoria Australia	Visiting Academic	07 2008	06 2009

Department of Business Administration, Faculty of Business and Economics, Daffodil International University, Bangladesh	Professor	12 2007	(on leave)
Department of Statistics, Jahangirnagar University, Dhaka, Bangladesh	Associate professor	11 2002	12 2007
Department of Statistics, Jahangirnagar University, Dhaka, Bangladesh	Assistant professor	07 1986	11 2002
Department of Statistics, Jahangirnagar University, Dhaka, Bangladesh	Lecturer	01 1983	07 1986

1.2.2 Teaching Related

02. 2006—09.2006	Assistant Lecturer Department of Econometrics and Business Statistics, Monash University, Peninsula, Melbourne, Victoria, Australia
07.2005-12.2005	Assistant Lecturer Department of Economics and Finance, Latrobe University, Bundoora , Victoria, Australia
07.2005-10.2006	Assistant Lecturer Department of Epidemiology and preventive Medicine , Monash University, Alfred, Melbourne, Victoria, Australia
07.2005-date	Tutor/Lecturer Monash College, The Department of Management, Faculty of Business and Economics, Monash University, Clayton, Melbourne, Victoria, Australia
06.2002-05.2003	Assistant Lecturer Department of Econometrics and Business Statistics, Monash University, Caulfield, Melbourne, Victoria, Australia
09.2001—05.2002	Visiting Faculty Department of Computer science, North South University, Dhaka, Bangladesh
09.2001—05.2002	Visiting Faculty Vikarunnessa University, Dhaka, Bangladesh
09.2001—05.2002	Visiting Faculty Daffodil International University, Dhaka, Bangladesh
03.1996-07.2001	Assistant Lecturer Department of Econometrics and Business Statistics, Monash University, Clayton, Melbourne, Victoria, Australia
09.1994—03.1996	Teaching Assistant/Research Assistant Department of Mathematics and Statistics Memorial University of Newfoundland, St. John's, Canada

09.1991—08.1992	Teaching Assistant/Research Assistant/Lab Instructor Department of Mathematics and Statistics, Memorial University of Newfoundland, St. John's, Canada
01.1987—12.1988	Teaching Assistant/Research Assistant/Lab Instructor Department of Mathematics and Statistics, Memorial University of Newfoundland, St. John's, Canada

Training Experience:

5-day long Workshop on using GAUSS Monash University, Australia, 1997

3-day long workshop on using STATA Monash University, Australia, 2006

1-day long workshop on Pushing Against Globalization: A Local Perspective on Regulation in Asia, on 29 - 30 November, ARC Asia Pacific Futures Research Network, Monash Conference Centre, 30 Collins Street, Melbourne, Australia, 2007

1-day long Workshop on SPSS and Statistical Reporting for ISI/WoS Indexed Journals, University of Malaya, 23 December 2009

3-day long workshop on applications of SPSS and AMOS at University of Malaya, Malaysia, 2010

3-day long workshop on BAYES FOR BEGINNERS, by Professor Kerrie Mengersen, Queensland University of Technology, organized by Faculty Economics & Administration, University of Malaya, 12 - 14 May 2010

(* Introduction to modern Bayesian inference, * Bayesian hierarchical models 1: linear and generalised linear models, * Introduction to WinBUGS, * MCMC computations, * The role of priors in Bayesian analysis, * Bayesian models 2: hierarchical models, * Statistical modeling issues, * Bayesian models 3: meta-analysis, spatial modelling and time series models, * Bayesian Networks)

2-day Workshop, AMOS IN RESEARCH, Faculty of Education, JUNE 10-11, Academic Development Centre (ADeC), University of Malaya, Kuala Lumpur, Malaysia, 2010

4-day long DAY WORKSHOP STRUCTURAL EQUATION MODELING (SEM) FOR SMALL SAMPLE & NON-NORMAL DATA and small sample size using Partial Least Squares (PLS) method organized by Analytics Research Group on Saturdays: 18 June, 9, 16 & 23 July at Kelab Shah Alam Selangor, Malaysia, 2011

1.3 Major Awards and Scholarships

Monash Graduate Scholarship (MGS), Monash University, Australia

Faculty Fee Paying Scholarship (**Overseas Postgraduate Research Scholarship (OPRS)**),
Faculty of Business and economics, Monash University, Australia

Departmental Scholarship, Department of Econometrics and Business Statistics, Monash
University, Australia

Memorial University (Canada) **Fellowship**

Special Book Award by Jahangirnagar University, Savar, Dhaka, Bangladesh, for M.Sc. Result

Talent Award by Jahangirnagar University, Savar, Dhaka, Bangladesh, for First Class First position in BSc (Honours) in Statistics,
Deputy Public Instruction (DPI) Scholarship

University Grants Commission (UGC) Scholarship

Secondary School Certificate (SSC) Government Scholarship

Government Junior Scholarship

1.4. Important Course Works

Successfully completed/audited: Advanced calculus, Advanced probability, Algebra, Analysis of variance, Analytical geometry, Applied econometrics, Applied forecasting for business and economics, Biostatistics, Computational Statistics, Continuous Multivariate Analysis, Data analysis in business, Demography, Descriptive statistics, Design of experiment, Differential equations, Discrete Multivariate Analysis, Econometric theory, Econometrics, Econometrics, Econometrics graduate seminar, Economic statistics, Elements of probability, Estimation theory, Experimental Design I and II, Linear algebra, Linear Model, Mathematical statistics, Mathematical Statistics I, II & III, Multivariate analysis, Nonparametric Statistics, Numerical mathematics, Practical econometrics, Quantitative methods for risk analysis, Regression, Regression analysis, Reliability and Quality Control, Sample survey method, Sampling distributions, Sampling techniques, Special topics in econometrics I & II, Statistical Consulting, Statistical inference, Structural Fortran, Survey data analysis, Survey Sampling, Survey Sampling I and II, Test of hypothesis, Theory of probability and Time Series analysis.

1.5 MSc and PhD Theses

PhD. (2002) Thesis Title: Modelling and Forecasting in the Presence of Structural Change in the Linear Regression Model, Department of Econometrics and Business Statistics, Monash University, Australia

PhD dissertation involves the idea of model selection, testing and forecasting. We developed a small-sample procedure for calculating critical values of the test statistic, investigate and compare existing IC model selection criteria with our proposed average mean probability of correct selection (AMPCS) criterion, to find a suitable algorithm for estimating appropriate optimal penalties which maximize the AMPCS and investigating the distributional pattern of a linear model with random changes in the parameter with low probability and constructing ‘out of sample’ forecast procedures.

Master of Applied Statistics (1989) thesis Title: Modelling Factors Affecting Relative Performance of Two Dust Samplers in Labrador Mines, Department of Mathematics and Statistics, Memorial University of Newfoundland, Canada

The respiratory health condition of the health condition of the workers in mines is affected by concentration of dust mainly deposited due to production activities. Two dust sampler instruments (NY and ME) were used to measure the dust concentration in two mining complexes in Labrador, Canada. The dust absorption capacity of these samplers is assumed to be influenced by temperature and humidity of the experimental environment. This thesis examined the relative performance of the two dust samplers NY and ME taking the covariates temperature and humidity into account. This is achieved through robust regression analysis by regressing the ratio of dust concentrations measured by NY and ME on temperature and

humidity. Also robust regression results are compared with classical multiple regressions based on the power transformation. (Methods used: Huber, Tukey, Hampel, Andrew)

Master of Science (1979) thesis Title: Landless Pattern Demographic Behavior of a Rural Village: A Case Study, Department of Statistics, Jahangirnagar University, Savar, Dhaka, Bangladesh

Research/Consultancy:

Research Assistant (Part time)

Department of Epidemiology and preventive Medicine, Monash University, Alfred, Melbourne, Victoria, Australia

- Review of statistical methods used in gait analysis studies
- Statistical analysis of gait data: systematic literature review

Research Assistant (PT)

Office of the Deputy Vice Chancellor (research) Monash University, Clayton, Melbourne, Victoria, Australia

- Bibliometrics and citation analysis
- Comparative Citation Performance Analysis

Research Fellow (Consultant Statistics division)

National Institute of Economic and Industry Research (NIEIR) [one of the Australia's leading economic consultancy and research organisations], 416 Queens Parade, Clifton Hill, Melbourne, Victoria, Australia

- **Specific responsibilities at the Institute include**
Assist and maintain in application of NIEIR's state models.
Prepared forecasts of GDP and its components
Forecasts of energy demand and supply
Provide consultation service to the clients.

Specific projects undertaken at the NIEIR include

- Air-conditioning based electricity maximum demand forecasts for NEMCO, Vencorp, EPSIC and Energy Australia.
- Energy-related cogeneration forecast models
- Regional electricity models for various regions of Australia
- Modelling the impact of air-conditioning load on Energy
- Natural gas forecasts for the Ikon Energy
- United Energy Electricity projections for South Australia to 2014-15

Research Assistant (PT, Statistician/econometrician)

Department of Econometrics and Business Statistics, Monash University, Caulfield, Melbourne, Victoria, Australia. "Analysis of Contagion Effects in the Asian Financial Markets: Bivariate Density Estimation, Simulation and Empirical Evidence" findings of this project were presented at the Econometric Society Australasian Meeting, 2002.

Principal researcher (Person in charge; Statistical analyst): Analysis of social assistance data, Economic Research and Analysis Division, executive council, Newfoundland and Labrador, Canada. Division head Dr. Alton Hollett.

Research Student Statistical Consulting Centre

Research project ‘Effects of a relatively low dose of cadmium on the immune system of mice and the effect of a moderately large dose of zinc on cadmium-induced immunopathology’.

- Estimating comparative rates from clinical data
- Obtaining summary measures of relative risk, adjusting for stratification factors in epidemiological studies
- The proportional hazards model for evaluating the effect of covariates on survival time outcomes.

Research Assistant (as a statistical consultant)

Schooling in a Fishing Society: Education and Economic Conditions in Newfoundland and Labrador 1835-1985, published by the Institute of Social and Economic Research, Project Coordinator Professor Emeritus W.P. McCann, Department of Education, Memorial University, Canada.

Phillip McCann, Schooling in a Fishing Society: Education and Economic Conditions in Newfoundland and Labrador 1836-1986 (St. John's, 1994) in *Paedagogica Historica* (vol. 31, no. 2 (1995): 525-29.

Research Associate: Causes of differential Performance of Family Planning Workers at Thana Level (Responsible for statistical consultation and analysis).

Research Associate: Comparative Study of Effectiveness of Government and Non-Government Family Planning Programs in Bangladesh

Research Assistant: Impact Study UNICEF Aided Community Development Project in Forty Villages in Serajgonj Sub-Division

Research Assistant: Jahangirnagar University Transport Survey.

Investigator and supervisor: An ESCAP/FAO Evaluation Study of Small Farmer and Landless Peasants Development Project in Bangladesh

Investigator and Data Analyst:

Socio-Economic and Engineering Feasibility Study, Mirpur, Kushtia, an KIRDP Study.

TEACHING

Department of Quantitative Analysis, Faculty of Business Administration, King Saud University, Riyadh, Kingdom of Saudi Arabia

DSC 562: Applied Multivariate Methods; Text book: Johnson, R.A. & Wichern, D. W., Applied Multivariate Statistical Analysis, 6-th edition, Prentice-Hall, 2002, Upper Saddle River, New Jersey. ISBN 0-13-187715-1

QUA 307 Business Forecasting. Text book: Makridakis, S., S.C. Wheelwright and Hyndman. Methods & Applications, New York : Wiley, 1998. Hanke, John E & Wichern, Dean W, 2009. Business Forecasting, (International Edition) Prentice Hall, (9th Edition)

QUA 207 Business Statistics: Textbook ‘Statistical Techniques in Business and Economics’, Lind/Marchal/Wathen, McGraw Hill 14th Edition

QUA 204 Linear Algebra in Business: Textbook: *Linear Algebra*, S.H. Friedberg, A.J. Insel, L.E. Spence, Third Edition. Prentice Hall, 1999.

QUA 107 Introduction to Statistics in Business: Textbook 'Statistical Techniques in Business and Economics', Lind/Marchal/Wathen, McGraw Hill 14th Edition

Department of Applied Statistics, Faculty of Economics and Administration, University of Malaya

ESGC6120- STATISTICAL METHODS: for MASTER OF APPLIED STATISTICS

students: Text book: D.D. Wackerly, W. Mendenhall, R.L. Scheaffer. 'Mathematical statistics with Applications', 6th ed. Duxbury, 2002. W.L. Carlson and B Thorne. 'Applied Statistical Methods for Business, Economics and the Social Sciences, Prentice Hall, 1997.

ESGC6115 TIME SERIES ANALYSIS for MASTER OF APPLIED STATISTICS students:

Text book: Diebold, Francis X. (2007) Elements of Forecasting. South Western: Cincinnati, Oh. 4th Edn. Other References: Shumway, Robert H, David S. Stoffer (2006). Time Series Analysis and Its Applications. With R Examples. Second Edition. New York: Springer Wilson, J. Holton and Barry Keating (2004) Business Forecasting. New York: McGraw Hill. Makridakis, S., S.C. Wheelwright and Hyndman. Methods & Applications, New York : Wiley, 1998 Box, G.E.P., Jenkins, G.M., & Reinsel, G.C. (1994). Time series analysis -- Forecasting and control. 3rd edition. Englewood Cliffs, NJ: Prentice Hall.

ESEE3105- ECONOMETRIC ANALYSIS for third year students: Text book: Gujarati, D.

2003 Basic Econometrics. (4th ed.) McGraw-Hill. Stock, J.H. and M.W. Watson, 2007, Introduction to Econometrics, 2nd ed, Pearson,. Wooldridge, J. M.2003. Introductory Econometrics: A Modern Approach. (2nd ed.) Thompson Learning. Pyndick, R. S. & Rubinfeld, D. L. 1991. Econometric Models and Economic Forecasts. (3rd ed.) McGraw-Hill.

CBEB 2311-FINANCIAL ECONOMETRIC (Part time teaching, Department of Finance and

Banking): Main references: D. Gujarati, Basic Econometrics, (New York: McGraw Hill), 1995, Third Edition. D. Gujarati, Essentials of Econometrics, (New York: McGraw Hill), 1995, Second Edition. Pindyck, R.S. & Rubinfeld, D.L., Econometrics Models and Economic Forecasts, (New York McGraw Hill), 1997, Fourth Edition. Eduard J. Bomhoff, Financial Forecasting For Business and Economics, (New York: Akademik Press), 1994.

ESEE2102 BASIC ECONOMETRICS: for second year students: Text books: Dougherty, C.

(2007). Introduction to Econometrics, 3rd ed. Oxford University Press. Gujarati, D.N. (2006), Essentials of Econometrics. 3rd ed. McGraw-Hill, New York, Gujarati, D.N. and D.C. Porter (2009). Basic Econometrics. 5th ed. McGraw-Hill, New York, Wooldridge, J. M., (2009). Introductory Econometrics: A Modern Approach, 4th ed. South-Western College Publishing.

CBEB 1110 QUANTITATIVE ANALYSIS FOR BUSINESS: Text Books: Haeussler, Jr.,

E.F. & R.S., Paul (2002), Introductory Mathematical Analysis for Business, Economics and the Life and Social Science, 11th ed. Prentice Hall, US2. Barnett, R.A., M.R., Siegler & K.E., Byleen (2002), Finite Mathematics for Business, Economics, Life Sciences, and Social Sciences, 9th ed. Prentice Hall, US Budnick, F.S. (1998), Applied Mathematics for Business and Economics: Life Science and Social Science, 4th ed., McGraw-Hill Book, US

CNF0024 FUNDAMENTALS OF MATHEMATICS: Text book: Quek R.et. all. Mathematics S. Federal Publications : Shah Alam. 2004, Revathi Narasimhan (2009) College Algebra and Trigonometry: Building Concepts· and· Connections·, 1st Edition:- Cengage Learning. Beecher, Judith A. I Penna, Judith A. I Bittinger, Beecher, Judith A. I Penna, Judith A. I Bittinger, Marvin L (2007).College Algebra.Pearson. Jerome E. Kaufmann, Karen L. Schwitters (2007) Algebra for College Students, 8th Edition. Cengage Learning

Department of Statistics, Jahangirnagar University, Bangladesh

STAT-101: Descriptive Statistics: Text Book: Introductory Statistics by T.H. Wonnacott and R.J. Wonnacott, 5th Edition

STAT-102: Elements of Probability: Text Book: Mathematical Statistics: Senior sequence Text book: Introduction to Mathematical Statistics by Robert. V. Hogg and Allen T. Craig

STAT-108: Statistical Data Analysis: Text Book: Graduate Course Text Book: The Statistical Sleuth By Fred L. Ramsey and Daniel W. Schafer, Second edition

STAT-202: Sampling Distributions: Text Book: Introduction to Mathematical Statistics by Robert V. Hogg and Allen T. Craig and Mathematical Statistics with Applications By William Mendenhall, Dennis D. Wackerly, and Richard L. Scheaffer

STAT-202: Regression Analysis: Text Book: Applied Regression Analysis and Experimental Design by Richard J. Brook and G.C. Arnold

STAT-301: Statistical Inference: Text Book: Introduction to Mathematical Statistics by R. V. Hogg and A. T. Craig; Statistical Inference by V.K. Rohatgi and Other Supplementary notes.

STAT-303: Experimental Design: Text Book: Design and Analysis of Experiments by Douglas C. Montgomery, Third edition

STAT-304: Sampling Technique: Text Book: Sampling Techniques by William G. Cochran

STAT-305: Econometrics: Text Book: Johnston, J. and J. Dinardo, Econometric Methods, 4th edn, McGraw-Hill International Editions, Recommended Texts: Griffiths, W.E., Hill, R.C. and G.G. Judge, Learning and Practicing Econometrics, Wiley & Sons. Gujarati, D. N. Basic Econometrics, 3rd edn, McGraw-Hill. Judge, G.G., Hill, R.C., Griffiths, W.E., Lutkepohl, H. and T-C Lee, Introduction to the Theory and Practice of Econometrics, 2nd edn, Wiley & Sons. Wooldridge, J.M., Introductory Econometrics: A Modern Approach, South-Western College Publishing. Ramanathan, R., Introductory Econometrics with Applications, 4th ed., Harcourt Brace and Jovanovich.

STAT-401 - Applied Multivariate Analysis: Graduate Course Text Book: Applied Multivariate Statistical Analysis By Richard A. Johnson and D. W. Wichern

STAT-407: Econometric theory: Text Book: Econometrics by Fumio Hayashi, published by the Princeton University Press. Recommended text: Econometric Analysis by William H. Greene, fourth edition, published by Prentice-Hall, An Introduction to Classical Econometric Theory by Paul Ruud, published by the Oxford University Press; A Guide to Modern Econometrics by Marno Verbeek, published by Wiley; Econometric Analysis of Cross Section and Panel Data by Jeffrey M. Wooldridge, published by the MIT Press; Estimation and Inference in Econometrics by Russell Davidson and James McKinnon, published by the Oxford University Press; Introduction to the Theory and Practice of Econometrics by Judge, Hill, Griffiths, Lutkepohl and Lee, second edition published by Wiley.

STAT-408: Biostatistics: Text Book: Fundamentals of Biostatistics, 6th Ed., Rosner ;Statistics with Stata, Hamilton

STAT-413:Environmental statistics: Text Book: Statistics for the Environment, Volume 4, Statistical Aspects of Health and the Environment by Vic Barnett, Alfred Stein, K. Feridun Turkma

Courses Taught at Department of Mathematics and Statistics, Memorial University of Newfoundland, Canada

ST2500 Statistics for Business and Arts: Text Book: Statistics for Business and Economics by James T. McClave, P. George Benson and Terry Sinich

ST2501 Further statistics for Business and Arts: Text Book: Statistics for Business and Economics by J.T. McClave, P. G. Benson and T. Sinich.

ST2510 Statistics for Physical Science: Text book: Probability and Statistics for Engineering and the Sciences by Jay L. Devore.

ST2550 Statistics for Life Science: Text book: Statistics by J. McClave and T. Sinich

ST2560 Further Statistics for Science: Text book: Probability and Statistics for Engineering and the Sciences by Jay L. Devore

Courses Taught at Monash University, Clayton, Caulfield, Peninsula, Alfred Campus, Melbourne, Victoria, Australia

ETC-1000: Business and economic Statistics: Text book: Statistics for Managers, David M. Levine, Mark L. Berenson and David Stephen, Prentice Hall International, Inc.

ETC-1010: Data modelling and computing: Text book: Black K., Asafu-Adjaye J., Khan N., Perera N., Edwards P. and Harris M. Australian Business Statistics, John Wiley & Sons Australia, Ltd.,

ETX-1100: Business statistics: Text book: Selvanathan, A., et al, Australian Business Statistics, Nelson Thompson Learning Australia,

ETX-2121: Data analysis in business: Text book: Data Analysis and Decision Making with Microsoft Excel, Albright S.C., Winston W.L. & Zappe C. Duxbury Press

BMS1042-Biostatistics: Statistical Methods in Biomedical Science, TEXTBOOKS: Jekel, Elmore, Katz. Epidemiology, Biostatistics and Preventive Medicine, Moore and McCabe. Introduction to the Practice of Statistics

Courses Taught at Daffodil International University, Bangladesh

Bus303 Business Research methodology: Text Book: Bryman, A.E., and Bell, E, Business Research Methods, Oxford University Press Recommended Text: Bryman, A.E. Research Methods and Organization Studies, Unwin-Hyman.

BUS 209 Business Statistics: Text Book: Applied Regression Analysis - A Second Course in Business and Economic Statistics by Dielman, 4th ed. Duxbury

MBA 421 Applied Statistics for Business: Text book: Basic Business Statistics 10th ed., by Berenson, M.L., Levine D.M. and Krehbeil, T.C.

FIN-608 Real estate Finance: Text book: Real Estate Finance and Investments, by William B. Brueggeman and Jeffrey D. Fischer, 12th ed., McGraw-Hill, Irwin Press. Additional references: Commercial Real Estate Analysis and Investments, by David Geltner and Norman Miller, Prentice Hall. Commercial Real Estate Finance, by Michael Buchanan, American Bankers Association Press.

Courses Taught at other Universities/Colleges/Institutions (Latrobe University, Australia, Deakin University Australia, North South University, Vikarunnesa University, Darul Ahsan University, Bangladesh, Monash College, Australia etc.)

Additional Mathematics, Applied Finance, Basic Mathematics, Basic Statistics, Business and Economic Statistics, Business statistics, Engineering Mathematics, Essential Mathematics, Financial econometrics, Financial Planning and Financial Strategy, Introduction to Economics, Introduction to Management, Introductory

Biostatistics, Introductory Mathematics, Macroeconomics , Market Research, Mathematical Foundations, Mathematical Methods, Mathematical Methods in Economics, Mathematics for Finance, Mathematics for Information Technology, Money and Capital Market, Microeconomics , Quantitative Analysis in Business , Quantitative Methods for finance, Quantitative methods for financial markets, Quantitative Methods in accounting, Statistical Methods and Data Analysis

1.6 Skills in Computing

Languages: Working experience with FORTRAN, GAUSS and STATA

Statistical Software: SPSS (Statistical Package for Social Science), SAS (Statistics Analysis System), Minitab, S-PLUS, R, EVIEWS, SHAZAM, Excel, ACCESS, LIMDEP, TSP etc.

Word Processing: Plain Tex, Latex, Microsoft Word etc.

1.7 Computer related Training Attended

Several **workshops on Quality Teaching and Research** organized by the Professional Development Centre, Monash University, Clayton, Melbourne, Victoria, **Australia**

JAVA Monash, short course, Monash University, Clayton, Melbourne, Victoria, Australia

INTERNET Monash, short course, Monash University, Clayton, Melbourne, Victoria, Australia

POWERPOINT Monash, short course, Monash University, Melbourne, Victoria, Australia

HTML, Monash short course, Monash University, Clayton, Melbourne, Victoria, Australia

2 Professional Leadership

2.1 Membership in Professional Societies

Member: Canadian Journal of Statistics (1987-1989)

Member: Canadian Journal of Statistics (1994-1996)

Member: Australian Statistical Society (Victorian Branch)

Member: Australian Econometric Society

Life Member: Bangladesh Statistical Association

Member: Bangladesh Association for the Advancement of Science

Elected Member: Academic Council, Jahangirnagar University

Member: Faculty of Physical and Mathematical Sciences, Jahangirnagar University, Bangladesh

Elected Member: Senate, Jahangirnagar University, Bangladesh

Elected Member: Syndicate, Jahangirnagar University, Bangladesh

Invited Seminars

1. Bangladesh Medical Research Council, (2004).
2. Bangladesh Institute of Development Studies, (2001).
3. Bangladesh Medical Research Council, (2001).
4. Faculty of Mathematical and Physical Sciences, Jahangirnagar University (2001)
5. Faculty of Mathematical and Physical Sciences, Jahangirnagar University (1990)
6. Bangladesh Statistical Association, (1989)
7. Bangladesh Statistical Association, (1991)

2.2 Statistical Consulting

As a student of the Master of applied statistics at Memorial university of Newfoundland I had two years practical experience in statistical consulting. I was in charge of several projects namely, "Labrador coal-mine", "Schooling in a Fishing Society: Education and Economic Conditions in Newfoundland and Labrador 1835-1985" and "social assistance program of the government of Newfoundland and Labrador, Canada". I have also provided statistical consultation to the undergraduate and graduate students of various departments and institute for designing their research, analysing data and writing report.

PUBLICATIONS

Paper Published

1. **MOHAMMAD NURUL AZAM**, Mahbuba Yeasmin and Gazi Mahabubul Alam. Likelihood Ratio type test and its Critical Values for Structural Change of unknown Changepoint. **accepted** for publication in *Journal of Applied Sciences*, **2013**: <http://www.scialert.net/qredirect.php?doi=jas.0000.52231.52231&linkid=pdf>
2. Mohammad Ziaul Hoque, MD. Rabiul Islam, **MOHAMMAD NURUL AZAM**, Board Committee Meetings and Firm Financial Performance: An Investigation of Australian Companies, *International Review of Finance*, Article first published online: 25 FEB **2013**, DOI: 10.1111/irfi.12009
3. Abul Quasem Al-Amin, Abdul Hamid Jaafar, **MOHAMMAD NURUL AZAM**, Fatimah kari & Syed Omar Syed Agil. Climate change issues and Malaysian initiatives. *Climate Change Governance, Climate Change Management in Walter Leal Filho and Jörg Knieling eds., Springer, Netherlands*, **2013**, pp 141-151 DOI: 10.1007/978-3-642-29831-8_9, <http://www.springerlink.com/content/x680x5v17602h768/?MUD=MP>
4. Gholizadeh H, Osman NA, Kamyab M, Eshraghi A, Abas WA, **AZAM MOHAMMAD NURUL**, Transtibial prosthetic socket pistonning: static evaluation of Seal-In(®) X5 and Dermo(®) Liner using motion analysis system. *Clinical Biomechanics*, 27, 34–39, **2012**.
5. Abdulhamid Ahmed, Hesham M. Al-Mekhlafi, **MOHAMMAD NURUL AZAM**, Init Ithoi, Abdulelah H. Al-Adhroey, Awatif M. Abdulsalam And Johari Surin Soil-transmitted helminthiasis: A critical but neglected factor influencing school participation of aboriginal

children in rural Malaysia. **Parasitology**. DOI:10.1017/S003118201100237X (ISI-Cited Publication) **2012**

6. M. A. Kabir, Kim-Leng Goh, MMH Khan, Al-Amin & **MOHAMMAD NURUL AZAM**, Safe-delivery practices: Experience from cross-sectional data of Bangladeshi women. **Asia-Pacific Journal of Public Health**, XX(X) 1–12, DOI: 10.1177/1010539512437401, **2012**
7. Talukder Golam Rabby, Gazi Mahabubul Alam, Leo Jocelyn Fredericks, Sulochana Nair, **MOHAMMAD NURUL AZAM**, Abul Quasem Al-Amin, Kamaludin Ahmed Sheikhand Issa Khan, What offers solution to the poverty reduction of the Haor people in Bangladesh? Seasonal migration or a new inshore economic livelihood policy, **African Journal of Business Management** Vol. 5(23), pp. 9979-9991, **October, 2011**
8. Kamaludin Ahmed Sheikh, **MOHAMMAD NURUL AZAM**, Gazi Mahabubul Alam, Talukder Golam Rabby and Issa Khan, Monetary union for the development process in the east african community: business cycle synchronization approach, **African Journal of Business Management**. Vol. 5, pp. 7632-7641. **(ISI-indexed), 2011**
9. Al-Amin, **MOHAMMAD NURUL AZAM**, Fatimah Kari & Walter Leal. Assessing the Scenario Concerning Environmental Sustainability in Malaysia. **Scientific Research and Essays**. Vol. 6(1) pp. 103-109 **(ISI-indexed), 2011**.
10. Abdul Hamid Jaafar, Al-Amin, **MOHAMMAD NURUL AZAM**, Fatimah Kari, Md. Nurul Huda, & Mahbuba Yeasmin. The multidimensional impacts of external price shocks on macroeconomic variables: Malaysian experiences from recession to economic instability. **African Journal of Business Management** Vol. 5(20), pp. 8057-8068, September, **. (ISI-indexed) 2011**.
11. Al-Amin, Walter Leal, M. A. Kabir, **MOHAMMAD NURUL AZAM**, Abdul Hamid Jaafar, and Fatimah Kari. 2011. Climate change impacts: Prioritizing Mechanism and Needs for Future Malaysian Agriculture. **International Journal of the Physical Sciences** Vol. 6(7), pp. 1742–1748, 4 April, **2011. (ISI-indexed)**,
12. Fatimah Kari, Nurul Huda Mohd Satar, Abul Quasem Al-Amin & **MOHAMMAD NURUL AZAM**. Growth, Equity and Vulnerability in Marine Park Areas: In Search of Economic-Environmental Balance, **World Applied Sciences Journal** Vol. 14 No. 2 pp. 277-284 **(ISI-indexed). 2011**
13. **MOHAMMAD NURUL AZAM**, Abul Quasem Al-Amin, Syamsul Ikram Mohd Noor, MahbubaYeasmin and M. A. Kabir, Perception of the Financial Development and Economic Growth Nexus for Malaysia, **International Jr. Finance and Accounting** , Vol. 1 No. 1 ,March , **2011**, pp 1-11.
14. Abul Quasem Al-Amin, **MOHAMMAD NURUL AZAM**, Mahbuba Yeasmin and Fatimah Kari, “Policy challenges towards potential climate change impacts: In search of agro-climate stability,” **Scientific Research and Essays** Vol. 5(18), pp. 2681-2685, 18 **(ISI-Web of Science) September, 2010**
15. **MOHAMMAD NURUL AZAM**, Mohammad Ziaul Hoque and Mahbuba Yeasmin, Audit Committee and Equity Return: The Case of Australian Firms, **International Review of Business Research Papers**, Vol. 6. No. 4. pp. 202 – 208, Sept **2010**.

16. Talukder Golam Rabby, **MOHAMMAD NURUL AZAM**, Mahbuba Yeasmin, Mohammad Ziaul Hoque. Decision Making Method in Seasonal-Domestic-Migration: A Critical Appraisal, International Review of Business Research Papers, Vol. 6. No. 6, Pp.276 –285, Dec 2010.
17. P Silvapulle, **MOHAMMAD NURUL AZAM** and Mahbuba Yeasmin Analysis of Dependence in the G11 Countries Financial Markets Simulation and Empirical Evidence, Applied Financial Economics Letters, 3:4,211-214, 2007
18. **MOHAMMAD NURUL AZAM**, Maxwell L King, The use of Model Selection for Detecting Unknown Changeoints, Journal of Statistical Research, Vol. 37 No. 2,`67-182, 2003
19. A Ahsan, S.S Ahmed and **MOHAMMAD NURUL AZAM**, Share Price Behavior after Earnings Announcement at Dhaka Stock Exchange, Journal of Business Studies, Vol. xxiv, No. 1, 171-182, 2003.
20. K.C Bhuyan, **MOHAMMAD NURUL AZAM**, MA Matin, AK Majumder, Some Aspects of Fertility Differentials in a Rural Area of Bangladesh, Jahangirnagar Review, Part B, , 135-47, 1992
21. B.C. Sutradhar', **MOHAMMAD NURUL AZAM** and E. Moore, Relative Performance of Two Dust Samplers: An Application of Robust Regression, Environmetrics, vol. 2, No.4, pp 443- 456, (ISI-indexed)1991
22. A.K. Majumder and **MOHAMMAD NURUL AZAM**, An Alternative Approach for the Combined Analysis of a Group of Design with Heterogeneous Error Variances; Journal of Statistical Studies, Vol. 11, 43-49, 1991
23. **MOHAMMAD NURUL AZAM** and K. C Bhuyan, A Split-Split-Plot Experiment to Study the Effect of Different Levels of Nitrogen and Irrigation on the Yield of Maize (Zea Mays), Journal of Statistical Studies, Vol. 10,70-77, 1990
24. Mahbuba Yeasmin and **MOHAMMAD NURUL AZAM** Application of Ridge Regression Analysis to Solve Multicollinearity, Journal of Statistical Studies, Vol. 9, 107-112, 1989
25. K.C Bhuyan. AK Majumder and **MOHAMMAD NURUL AZAM**, On a Study of Structural Change in Linear Regression for Stratified Samples with Heterogeneous Error Variances, Jahangirnagar Review Part A, Vol. 12, 117-127, 1988.
26. **MOHAMMAD NURUL AZAM** and K. C Bhuyan, On Combined Analysis of Groups of Split-Plot Designs to Select Best Variety of Maize, Jahangirnagar Review Part A, Vol. 12, 101-109, 1988
27. **MOHAMMAD NURUL AZAM**, A Split-Split-Plot Experiment to Identify the Best Sowing Data for Varieties of Maize in Presence of Nitrogen and Irrigation, Journal of Statistical Studies, 6, 34-45, 1986
28. **MOHAMMAD NURUL AZAM**, H.M. Wasiul Islam, Regional Difference in Productivity of High Yielding Variety (HYV) of Rice in Bangladesh: A Case Study, Journal of Statistical, Studies, Vol. 4, 1-10, 1984

Paper Prepared/Submitted journal manuscript

29. Al-Amin, Yousif Osman A. Karim, Yap Su Fei, **Mohammad Nurul Azam**, Abdul Hamid Jaafar and Walter Leal Filho. Welfare effects of import tariff trade liberalization on edible oil market complex. (ISI-indexed)
30. Abdul Hamid Jaafar, Al-Amin, Fatimah Kari & **Mohammad Nurul Azam**. Identifying Key Manufacturing Industries of the Malaysian Economy: An alternative approach. (ISI-indexed)
31. **Mohammad Nurul Azam**, Al-Amin, M. A. Kabir, Mahbuba Yeasmin and Fatimah Kari. Corporate Social Responsibility and Government Intervene Contributions to Ensure Environmental Quality of Malaysian Firms. (ISI-indexed)
32. **Mohammad Nurul Azam** and Mahbuba Yeasmin and Maxwell L. King, Critical Values for the LR test for Structural Change of Unknown Timing submitted **Applied Mathematics and Computation**, (Tier 1 Journal, submitted January 17, , August decision in process).
33. Ku, P.X , Abu Osman, N.A., **Azam, M.N**, Wan Abas, W.A.B, Biomechanical evaluation of balance control and body mass index, *Journal of Athletic Training*, (ISI-indexed) .
34. Mohammad Ziaul Hoque, **Mohammad Nurul Azam**, Mahbuba Yeasmin, Board Committee Meetings and Firm Equity Return: An Investigation of Australian Companies, *The Economic Record*, (ISI-indexed, submitted)
35. Abdul Hamid Jaafar, Abul Quasem Al-Amin, Fatimah Kari and **Mohammad Nurul Azam**. Identifying Key Manufacturing Industries of the Malaysian Economy: An alternative approach. (ISI-indexed),
36. **Mohammad Nurul Azam**, Mohammad Alamgir and Mahbuba Yeasmin, Identification and selection of Superior Parents to Develop high yielding Kanaf and Mesta Variety, *Field Crops Research*, (ISI-indexed).
37. **Mohammad Nurul Azam**, Abul Quasem Al-Amin, Mohammad Alamgir Kabir and Mahbuba Yeasmin, Corporate Social responsibility and government intervene: in search of environmental quality on Malaysian offshore IT and electronics firms, *ENVIRONMETRICS* (ISI-indexed).
38. Abul Quasem Al-Amin , Walter Leal, M. A. Kabir, **Mohammad Nurul Azam**, Abdul Hamid Jaafar, and Fatimah Kari, Climate change impacts: Prioritizing Mechanism and Needs for Future Malaysian Agriculture, *International Journal of Physical Science*, (ISI-indexed).
39. Talukder Golam Rabby, **Mohammad Nurul Azam**, Mahbuba Yeasmin, Socio-economic development policies for the Haor people's livelihood from the view of casual relationship between poverty and deluge induced seasonal migration, *International Migration Review*, (ISI-indexed).
40. Contagion Analysis and its Effects in the G11 Countries Financial Markets, *Economics letters*,
41. **Mohammad Nurul Azam**, Liew Yan Hong, Mahbuba Yeasmin, Factors influencing Foreign direct investment in selected ASIAN countries, *Applied Economics*, (ISI-indexed).
42. **Mohammad Nurul Azam** , Ikram Mohd Noor and Roza Hazli Zakari, The Finance-Growth Nexus in Malaysia, *Empirical Economics*, (ISI-indexed).
43. **Mohammad Nurul Azam** . Siti Aminah Binti Lajis, Mahbuba Yeasmin, Modelling and Forecasting the Demand for Malaysia Tourism, *Tourism Management*, (ISI-indexed).

44. **Mohammad Nurul Azam**, Muraliraj Jagantheran, Yap Su Fei, Post Shock Management: Comparison between China, Malaysia and India, Journal of Monetary Economics, (ISI-indexed).
45. **Mohammad Nurul Azam**, Mahbuba Yeasmin, Shah Alam, Islamic contention on conventional bank interest and its implication on livelihood of Muslims who are living in non-Muslim country, KYKLOS, (ISI-indexed).
46. **Mohammad Nurul Azam**, Mahbuba Yeasmin, Mohammad Khaled Shukran, A Grameen Bank Concept: Microcredit and poverty alleviation program in Bangladesh, International Economic Review, (ISI-indexed).
47. **Mohammad Nurul Azam**, Mahbuba Yeasmin, Kamaluddin Ahmed Sheikh, Feasibility of Monetary Union in East African Community: Evidence from the Application of Various Methods. Journal of Economic Surveys, (ISI-indexed).
48. Simultaneous Relationship among Market Performance, Risk and Disclosure: Empirical Evidence from Malaysian Listed Banks
49. A Panel Data Analysis on the Relationship between Corporate Governance and Bank Efficiency
50. Towards Islamic worldview based corporate governance framework
51. Empirical evidence of the relationship between corporate governance elements and disclosure
52. The impact of corporate governance and ownership structure on performance of the Malaysian listed banks: a panel data analysis
53. Corporate Governance and Social and Environmental Information Disclosure in Malaysian Listed Banks: Panel Data Analysis
54. Corporate Governance and Voluntary Accounting Information Disclosure in Malaysian Listed Banks: Panel Data Analysis
55. Risk and Performance: Capital Asset Pricing Model (Risk and Return) Perspective
56. Historical development of banking sector in Malaysia
57. Empirical evidence of the relationship between corporate governance elements and performance

Book Chapters

58. Abul Quasem Al-Amin, Abdul Hamid Jaafar, **Mohammad Nurul Azam**, Fatimah kari & Syed Omar Syed Agil. Climate change issues and Malaysian initiatives. Climate Change Governance, Climate Change Management in Walter Leal Filho and Jörg Knieling eds., Springer, Netherlands, 2013, pp 141-151 **DOI: 10.1007/978-3-642-29831-8_9**, <http://www.springerlink.com/content/x680x5v17602h768/?MUD=MP>
59. **Mohammad Nurul Azam** and Mahbuba Yeasmin, Structural Change in the Regression Model: Some Standard Test with Example, Noor Azina eds. Statistics in Practice 1, University of Malaya Press, KL, Malaysia, (2012 in process)

CONFERENCE AND SYMPOSIA PARTICIPATED/ATTENDED

Public Lecture, organized by Council of Graduate Programs in Business, College of business on “Recent trends in Business Research” by Professor Jeen S Lim, Research Professor, College of Business and Innovation, University of Toledo, USA, 11 Nov 2012.

13th Malaysian Finance Association Conference, organized by Asian Institute of Finance (AIF) together with Universiti Kebangsaan Graduate School of Business (UKM-GSB), Langkawi, Malaysia, 10th – 12th June, 2011

Half-Day Seminar “Does Fast Growth in India and China Help or Harm US Economy & Workers ?” Professor Dr. Ajit Singh, Professor Emeritus, University of Cambridge, UK, organized by Faculty of Economics and Administration, University of Malaya, 21 April 2011.
Asia-Pacific Business Research Conference, Kuala Lumpur, Malaysia, 21-22 February 2011

Asian Institute of Finance (AIF), distinguished speaker series, High Income Economic Model and the Financial Sector, Lanai Kijang, Kuala Lumpur, 14 December 2010.

Asian Institute of Finance (AIF), distinguished lecture series, Risk Management & Managerial Efficiency in Chinese Banks By Prof. Kent Matthews, Cardiff University, UK, 27 July 2010

Growth, Equity and Distribution in Marine Park Areas: In Search of Economic-Environmental Balance. UM conference, 15 April, 2010 Malaysia.

International Conference Tawhidi Epistemology: Zakat And Waqf Economy, Institute Latihan Islam Malaysia (ILIM), Bandar Baru Bangi, Selangor, Malaysia, 6th – 7th January 2010.

The economic dimensions of climate change: Vulnerability, impacts on agriculture, poverty and adaptation. Proceeding of the 2nd National Agro-Environment Conference, 2009, Malaysia.

Analysis of Contagion Effects in the Asian Financial Markets: Bivariate Density Estimation, Simulation and Empirical Evidence, Paper Presented at the Econometric Society Australasian Meeting, University of New South Wales, July 9-11, 2003.

Testing for Structural Change when the Changepoint is Unknown, Paper Presented at the Department of Econometrics and Business Statistics, Monash University, Australia, April 2000

Structural Shift and Model Selection when Shift Point is Unknown, Paper Presented at the Workshops On Model Selection, Estimation and Hypothesis Testing, Department of Econometrics and Business Statistics, Monash University, Australia, April 1999

Model selection with data driven penalty when there is an unknown changepoint in the data, Paper Presented at the Econometric Society Australasian Meeting, Australian National University, Canberra, Australia, 1998

Econometric Society Australasian Meeting, University of Melbourne, Melbourne, Australia, July 2-4, 1997

Model selection in presence of structural change when the changepoint is unknown, Paper presented at the Annual Doctoral Research Conference, Faculty of Business and Economics, Monash University, Australia, 1997

Econometric Society Australasian Meeting, University of Western Australia, Perth, Australia, July 10-12, 1996

One Day Seminar on Statistics and Society in Bangladesh, August 28, 1993, Department of Statistics, Dhaka University, Bangladesh

Fourth National Statistical Conference January 15-16, 1993, ISRT, Dhaka University, Bangladesh

Two Day Seminar on Census and Household Survey, 1991 conducted by Bangladesh Bureau of Statistics & Bangladesh Statistical Association, September 16-17, 1989, Planning Commission, Dhaka, Bangladesh.

Relative Performance of Two Dust Samplers: An Application of Robust Regression, with B.C. Sutradhar and E. Moore Presented at the Conference on Environmentrics in Cairo, Egypt, April 1989.

Impact of Intermediate Variables on Fertility, Presented at the Annual Conference of Bangladesh Fertility Research Program, Dhaka, Bangladesh, 1984

Bangladesh Science Conference, 1985, ICDDRB, Bangladesh

Bangladesh Science Conference, 1984, Chittagong University, Bangladesh

Bangladesh Science Conference, 1983, Dhaka University, Bangladesh

Bangladesh Science Conference, 1981, Rajshahi University, Bangladesh

First National Statistical Conference, March 7-9, 1977, Dhaka University, Bangladesh

Participated a large number of Colloquium while attending at the Memorial University as a Graduate Student

Attended a large number of Departmental Seminars at the Department of Econometrics and Business Statistics, Monash University, Australia.

COLLABORATIVE RESEARCH (ON GOING)

Title: An alternative approach to the understanding of urban poverty in Malaysia

With Associate Professor Dr. Sulochana Nair, Director of Centre for Poverty and Development studies (CPDS)

Title: Forecasting Demand for Foreign labour in Malaysia by 2015 issues and implications.

With Dr Hj Ali Boerhannoeddin, Department of Administrative Studies & Policies, University of Malays.

Title: Design and Analysis of nonparametric methods in finance

With Prof. Dr. Goh Kim Leng, Department of Applied Statistics, Faculty of Economics and Administration, University of Malaya

Title: Merit Based Admissions at the University of Malaya and Econometric Analysis.

With Associate professor Dr. Rohana Jani, Department of Applied Statistics, Faculty of Economics and Administration, University of Malaya

Title: Board committee effectiveness: An Investigation of Australian Companies

With Dr. Mohammad Ziaul Hoque, Department of Accounting and Finance, Monash University, Australia

Title: Corporate Governance Dividend Payouts Australian Prospective

With Dr. Mohammad Ziaul Hoque, Department of Accounting and Finance, Monash University, Australia

Title: Financial performance and corporate governance: Australia experience

With Dr. Mohammad Ziaul Hoque, Department of Accounting and Finance, Monash University, Australia

Title: Examining the determinants of volatility in the stock markets

With Dr. Abdul Aziz Hayat Muhammad, School of Accounting, Economics and Finance Faculty of Business and Law, Deakin University, Australia

Title: Decision Making Method in 'Seasonal-Domestic-Migration': A Critical Appraisal

With Talukder Golam Rabby, Faculty of Economics and Administration, University of Malaya, 50603 Kuala Lumpur, Malaysia.

Title: Critical Values for the LR test for Structural Change

Title: Critical Values for the LR test in the presence of structural change of unknown timing

Title: Estimation of Critical Values for LR test in the presence of structural change of unknown changepoint

Title: Response Surface Approach for Estimation of Critical Values of LR Test of unknown Changepoint

Title: Complete grid search method for finding penalties to detect structural change of unknown timing

With Professor Maxwell King, Pro Vice-Chancellor and Director, Monash Research Graduate School, Monash university, Australia.

RESEARCH FUNDING (Principal Investigator)

1. A Group of Split-Split-Plot Design to Select Best Variety of Maize in Presence of Nitrogen and Irrigation: A Research Report Financed by Jahangirnagar University, Budget: TK. 40,000
2. A Group of Split-Split-Plot Design to Select Best Sowing of Maize (Sadaf) in Presence of Nitrogen and Irrigation: A Research Report Financed by Jahangirnagar University, Budget: TK. 20,000
3. Education Literacy and Economic Conditions in Bangladesh: A Research Report Financed by Jahangirnagar University, Budget: TK. 25,000
4. Some Statistical Aspects on the Development of Imputation in Surveys: Financed by Jahangirnagar University, Budget: TK. 25,000
5. Review of the Various Aspects of Discriminate Analysis: A Research Report Financed by Jahangirnagar University, 1992. TK. 30,000
6. Development in Regression Methodology: 1940-1990: A Research Report Financed by Jahangirnagar University, 1993. TK. 20,000
7. Graduate Unemployment of Bangladesh: A Research Report Financed by Jahangirnagar University, Budget: TK. 35,000
8. Analysis of Contagion Effects in the Selected Asian Financial Markets, SHORT TERM RESEARCH, ASIAN INSTITUTE OF FINANCE, Applied Finance Research & Publication Centre, Central Bank of Malaysia, Malaysia. (in process, RM 57000.00)

International Grants (involved as consultant Statistician/econometrician)

Year 2011-2013 (Two Years)-On process

Cooperative Green Growth Modeling for Non-Annex countries.

Coordinator & Contacts of Partners for Malaysia: Dr. Abul Quasem Al-Amin.

Funding amount: US\$1million (proposed)

Founding Source: Ministry of Environment, Seoul, Republic of Korea.

Project summary:

The purpose of the project is to set the direction for the Cooperative Green Growth Modeling Forum (C2GMF) for developing countries to take a comprehensive approach in compiling statistics and greenhouse gas-related data, developing emissions-energy models and standards (i.e. scenario-based, BAU baseline) from which policy measures can be derived which can be easily replicated in other developing countries in order to accelerate the spread of the Green Growth paradigm. The major key objectives of Cooperative Green Growth Modeling for Non-Annex countries are to: 1) Identify key priority needs of participant countries, 2) Create alliances with appropriate institutions/organizations (e.g. research and academic institutions in partner countries, international organizations) and 3) applicable cooperative policy solutions for Green Growth Modeling.

Year 2010-2013 (Three Years, as Statistical consultant)-in process

- **Climate Change Scenarios for Developing Countries and Emerging Economies: CLIPOL-HAW-Hamburg**

(on process)

Coordinator & Contacts of Partners for Malaysia: Dr. Abul Quasem Al-Amin;

Funding amount: €104,000.00

Founding Source: EU, Brussels.

Project summary:

This project entails an analysis of policy scenarios for their environmental effectiveness, distributive effects, degree of enforceability, costs and other related factors. In specific terms, it will entail a quantitative methodology to assess the relative performance of different climate policy scenarios when accounting for their long-term economic, social and environmental impacts. The procedure to be adopted here is based on Data Envelopment Analysis, here employed in evaluating the relative efficiency of global climate policy scenarios as developed by the Foundation Eni Enrico Mattei and the International Energy Agency. A special attention will be paid to establishing country-specific scenarios where social, economic and environmental elements may be considered in implementing appropriate adaptation, mitigation and development options.

Year 2011-2012 (as Statistical consultant and co researcher)-in process

Does race matter for getting an interview? A field study of labour market discrimination in Malaysia, Research team: Dr. Lee Hwok Aun (principal) and Dr. **Mohammad Nurul Azam**

Summary

This study will investigate the incidence and extent of racial discrimination in the Malaysian labour market. The problem of discrimination in hiring and promotion is highly contentious, fomented by occasional, mutual claims of bias against non-Bumiputera in the public sector and against Bumiputera in the private sector. However, discourses around the subject, mostly in political and political contexts, overwhelmingly reference anecdotal accounts or inference from general statistics of racial representation in employment or racial earnings differentials. Researching discrimination is fraught with various complications, stemming from the correspondence of racial identity with other characteristics and qualifications that impact on employment prospects (Rarity and Mason 1998, Heckman 1998). These difficulties underscore the importance of obtaining original data and of factoring the effect of relevant variables to isolate the independent effect of race. We conduct a field experiment of entry-level job applications, in which we send fictitious resumes to job advertisements and examine if race corresponds with callback rates (for interview). Drawing on Mullainathan and Bertrand (2004) and Banerjee et al. (2008), we formulate resumes to credibly represent persons of different race with comparable background characteristics and academic qualifications. Differences in callback rates will be analyzed for the extent to which they derive from differences in qualifications, especially tertiary institution, academic performance, language and technical competency, or from difference in race. We also obtain employer information to examine possible links between employer characteristics and hiring decisions.

INVOLVED AS STATISTICIAN**Year 2010-2011 (One Year, as consultant)**

Agricultural Development, Trade and Regional Cooperation in an Integrating and Industrializing East Asia

Leader: Ponciano Intal, Jr.
 Partner country (regional): Malaysia
 Funding amount: US\$200,000.00
 Funding Source: Japan and Indonesia

Project summary:

This project consists of country-specific and special topics papers on selected topics involving agricultural development, trade and regional cooperation in an integrating and industrializing East Asia.

National Grants

LRGS2011-to 2016 (five years, as consultant and team member): in process

Implement new innovative method in the management of key genetically improved commodities

Funding amount: RM 3 Million (proposed)
 Project Leader : Prof. Terence Gomez
 Founding Source: 10th Malaysia Plan, Biotechnology

Project summary:

The project proposes to implement new innovative method in the management of key genetically improved commodities as model systems. The outcomes of this project will have an impact on enterprise and economic development while ensuring social justice by encouraging equitable regional development.

(restricted to disclose full summary)

Year 2010-2012 (Two Years, as consultant and team member)-in process

40% CO2 cut under Copenhagen Climate Change Dialogues : Environmental Constraints in New Economic Model

Project: UM
 Project Leader : Dr. Fatimah Kari
 Funding amount: RM 100,000 (on going process)
 Founding Source: UM

Project summary:

The global climate change is regarded as an external shock to the economy, since trade does not take place in a vacuum. Instead, trading takes place within the backdrop of our environment, and it is this environment which is undergoing rapid global change. Empirical studies for developed countries reveal that imposition of a carbon tax or fuel tax would decrease CO2 emissions globally or locally quite significantly and might not dramatically reduce economic growth. It is thus important to find the correct pollution tax that could be imposed such that environmental pollution is reduced at the same time does not dampen economic growth. The method proposes for this study is computable general equilibrium model for proposed carbon cut by 40%. The primary advantage of the model is that it considers simultaneously the environmental taxation policies and economic impact such as GDP, GNP, domestic production, private consumption, public consumption. A review of current literature indicates that limited research has been done to assess the impact of global climate change on the economic and trade potential of a particular country. Accordingly, this proposed research is meant to fill this gap in the current literature by examining the case of Malaysia.

Administrative activities at Jahangirnagar University of Dhaka, Bangladesh

Member: Academic Council, Jahangirnagar University, 1983-1987

Member: Faculty of Physical and Mathematical Sciences, Jahangirnagar University, Bangladesh, 1984-1987

Chairman: Honors and Subsidiary Examination Committee, Department of Statistics, Jahangirnagar University, 1990

Member: Examination Committee, Department of Statistics, Jahangirnagar University, 1983-1987, 1989-1994, 2001-2002

Member: Senate, Jahangirnagar University, Bangladesh, 1984-1986

Member :Jahangirnagar University Income Generating Project, Bangladesh, 1984-1987

Member: Syndicate, Jahangirnagar University, Bangladesh, 1984-1986

Teacher-in-Charge: Bangladesh National Cadet Core (BNCC) Jahangirnagar University 1983 to 1986

House Tutor: M.H. Hall, Jahangirnagar University, 1989-1994

Administrative work

01.2002-date

Director

International Affairs: Daffodil International University, Dhaka, Bangladesh

ASSOCIATE EDITOR

World Journal of Management

<http://www.wbiaus.org/wjm.htm>

EDITORIAL BOARD MEMBER:

International Journal of Finance and Accounting, ISSN No. 0976-5847

<http://ijfa.yolasite.com/editorial-board.php>

Reviewing Papers for Journals

- Global Economy and Finance Journal
- Global Review of Accounting and Finance
- International Journal of Global Warming (IJGW)
- International Review of Business Research Papers
- Jahangirnagar Review Part A
- Journal of Accounting, Finance & Economics
- Journal of Business & Policy Research
- Journal of Developing Areas
- Journal of Statistical Studies
- World Applied Sciences Journal
- World Journal of Management
- World Journal of Social Science
- World Review of Business Research

Graduate students Supervised:

1. Deepti Prasanna Chowdhury : A Split-Plot Experiment to Select Best Variety of Maize in Presence of Urea.
2. Golam Kibrea Chowdhury Categorical Data Analysis; Some reflection of Logistic Regression
3. Jannatul Ferdouse : Clinical Trials: Ethical and Statistical Consideration
4. Javed Ahmed Chowdhury : A Split-Plot Experiment to Study the Response of Different Varieties of Maize for Some Specific Doses of Urea.

5. Mohammad Iqbal Bhuyan: Exim Bank and its Credit rating.
6. Mohammad Mizanur Rahman : Design and Statistical Methods used in Clinical Trial (CT) Studies
7. Mohammad Rafiqul Islam: Some Aspects of Multicollinearity
8. Mohammad Shwakat Osman: Review of the various aspects of Discriminant Analysis
9. Mohammad Taufique Imam: Some Statistical Aspects relating to Multivariate Linear Regression Problem
10. Moyeenuddin Ahmed: A Split-Plot Experiment to Identify the Best Variety of Maize in Presence of Different Doses of Nitrogen.
11. Nurur Rahman: Islamic Bank; Training and research scope in Bangladesh
12. Rahmat Ali: Estimating Regression Coefficients using Robust Method
13. Razibul Haque: Pharmasia Limited; An overview
14. Sabiruzzaman Chowdhury: Some Aspects of Latent Root Regression
15. Sadequr Rahman Chowdhury: A Split-Split-Plot Experiment to Identify the Best Variety of Maize in Presence of Different Doses of Nitrogen and Different Levels of Spacing.
16. Samir Kumar Paul : Expected Income of the University Students
17. Sheikh Khayeruzzaman: Some recent Development of Factor Analysis
18. Sheowly Sultana Jolly: Business growth for Exim Bank
19. Sujit Sarker : Some Aspects on Principal Component Analysis
20. Mohammad Alamgir Kabir, Econometric Approaches to Forecasting and Modeling Exchange Rate, PhD
21. Liew Yaw Hong, Modelling factors affecting the inflow of foreign direct investment 2010
22. Syamsul Ikram Financial sector development and growth: Evidence from Malaysia 2010
23. Siti Aminah Binti Lajis Poverty at Urban Area: A Case Study at Kampung Kerinchi (cont.)
24. Mohammad Alamgir Kabir (PhD): Econometric Approaches to Forecasting and Modeling Exchange Rate (continuing)
25. Khaled Shukran, (PhD) The Impact of the Microcredit of Grameen bank towards the sustainability of Rural Development: A comparative study between Bangladesh and Malaysia (continuing)
26. Kamaluddin Ahmed Sheikh (PhD), Feasibility of Monetary Union in East African Community: "Evidence from the Application of Various Methods
27. Talukder Golam Rabby (PhD), Faculty of Economics and Administration, University of Malaya, Poverty and sustainable livelihood in the seasonally submerged Haor area of Netrokona District, Bangladesh
28. Issa Khan, (PhD) in Islamic Studies, Department of Fiqh and Usul, Academy of Islamic Studies, University of Malaya.
29. H.Gholizadeh (PhD, continuing), Gait Analysis, Department of Biomedical Engineering, Faculty of Engineering, University of Malaya,
30. Syamsul Ikram Mohohammad Noor Masters (completed, March, 2010): Financial development and economic growth in Malaysia: An ARDL approach
31. Siti Aminah Binti Lajis (Master of Applied Statistics (submitted)): Modelling and Forecasting International Tourist Arrival in Malaysia
32. Liew Yaw Hong, (Master of Applied Statistics (completed, March 2011)): Factor Influencing Foreign Direct Investment in Selected ASIAN Countries.
33. Wong Yoke Fah, Master of Economics (completed, March, 2010): The Trade Effects of Euro: An Assessment of EU-15,
34. Muraliraj Jagantheran, Master of Economics (completed, April 2011): Post Shock Management: Comparison between China, Malaysia and India.
35. P.X Ku, Masters, Biomechanical evaluation of balance control and body mass index, Department of Biomedical Engineering, Faculty of Engineering, University of Malaya, Malaysia

WORKSHOP TEACHING EXPERIENCES:

Hands on training using xlstat software: topics are : simple to multiple regression; logistic regression; time series analysis; ARIMA model. date/ time/ venue: 29 & 30 june 2010 (tue & wed), Singapore 1 & 2, level 16, standard charter tower. Standard chartered bank Malaysia

Postgraduates and Postdoctoral Training

I have played a very active part in training our postgraduate students both as a supervisor and as a member of the Postgraduate Teaching Committee and Honours Committee. The large numbers of students that I have supervised at all levels have gone on to take up many academic appointments in home and abroad.

Contributions to Administration

I have been a very active administrator both within and outside the Jahangirnagar University, and Daffodil International University. At the University level, I have served on many University Committees and was the Director of the Bangladesh National Cadet core, Director of income generation project, elected member of the academic Council, faculty of Physical and Mathematical Sciences, Senate and Syndicate, Jahangirnagar University, Bangladesh. Head of the department of Real Estate: At Daffodil International University. **Executive committee Member** of Daffodil International University Establishing Committee

Teaching Statement

I believe strongly in creating a safe atmosphere where students are free to learn according to their wishes. Teaching is not just a profession to me - it is a lifelong pursuit. I strongly believe "Live as if you were to die tomorrow, Learn as if you were to live forever." I find teaching to be one of the most rewarding and challenging professions. Teaching requires a depth of knowledge in a subject, the ability to relate the subject to everyday life, and promoting an understanding of the subject for students who are new to the area of study.

I chose teaching as a profession because I truly enjoy teaching. I like to see the smile on a students' face when they solve a problem and realize they can do mathematics and statistics! I have a picture of myself at the age of five writing numbers on a blackboard. Obviously, I was destined to teach Statistics and mathematics. I love to help people appreciate the beauty and utility of mathematics and Statistics and I take great satisfaction in knowing. I've helped innumerable students develop confidence in their ability to make sense of an increasingly complicated world.

I have more than 30 years of teaching experience in the tertiary educational institutions in Australia, Bangladesh, Canada, Malaysia, and Saudi Arabia. I started my teaching career at Jahangirnagar University, Bangladesh, worked Memorial University of Newfoundland, Canada more than 3.5 years. In March 1996, I moved to Australia. I have taught various subjects in Quantitative Methods, business statistics, econometrics, and mathematics.

(a) Proof of high Quality Teaching

The major area of my undergraduate teaching have been in teaching the two of the most demanding subjects i.e. the first and the second year quantitative methods & statistics. Almost all faculty students take these units as a part of their degrees. Most of the students enrolled in their first year do not have sufficient mathematical background and they have difficulty in understanding the basic mathematical and statistical concepts. The problem of putting across the material in the subject compounded by the unit being compulsory and the large class sizes at the beginning of each year. Despite these apparent difficulties, I have managed to conduct my

lectures and organized tutorials in these units and/or subjects resulting in very positive outcomes and one of the best evaluations by students and colleagues.

(b) Innovation in my teaching style

I have introduced the **skeleton** outlines lecture notes procedure in my teaching style keeping in mind my philosophy and concept of teaching. This innovative lecture material present more than the 65% of the lecture notes are available on the unit site which are distributed in advance to all students and required by the students to fill up the gaps in the particular lesson by understanding the subject matter in the lecture. This enables students to concentrate more during the lesson so that to do self-assessment problems throughout the lessons. I have achieved the students' evaluation results in top 90 percentiles which highlight effectiveness as a lecturer getting higher scores as against the overall faculty average. I believe in quality teaching, and I try my best to follow a flexible approach taking into account feedback from students and suggestions from my colleagues. This practice of open learning has increased the success rate of my students in these subjects.

(c) Evidence of leadership in Teaching administration and Management Responsibilities

At universities in Australia, Bangladesh, Canada, Malaysia, and Saudi Arabia, I have contributed in developing new subjects, teaching materials, tutorial sheets, and laboratory workshops and hiring part time casual staff for filling up the casual teaching allocations for the various subjects.

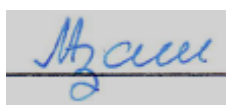
PERSONAL INTERESTS:

- Like reading, traveling, and socialization.
- Play diverse sports, particularly interested in football and cricket.
- Community service and environmental safeguard issues.

Referees:

Available upon request

Signature:

A handwritten signature in blue ink, appearing to read 'Azam', is written over a horizontal line on a light gray background.