Prof. Dr. Md. Atiqul Islam

Curriculum Vitae

Personal

Name: Prof. Dr. Md. Atiqul Islam
Nick Name: Atique
Date of birth: January 01, 1981
Email: atique@stat.jnu.ac.bd, atique.sta@gmail.com
Mobile: +8801716466720
Nationality: Bangladesh/Asian
Current Residence: House # 872, Road # 11, Avenue- 2, Mirpur DOHS
Dhaka-1216, Bangladesh.

Experiences

Jun 27, 2023 - Current **Professor**, Department of Statistics (Unit of Biostatistics and Epidemiology), Jagannath University (JnU), Dhaka-1100, Bangladesh.

Feb 15, 2021 – Jun 26, 2023 **Associate Professor**, Department of Statistics (Unit of Biostatistics and Epidemiology), Jagannath University (JnU), Dhaka-1100, Bangladesh.

Aug 05, 2018 – Feb 15, 2021 **Associate Professor**, Department of Statistics (Unit of Biostatistics and Epidemiology), Shahjalal University of Science and Technology (SUST), Sylhet, Bangladesh.

Sep 01, 2016 – Apr 30, 2018 **Postdoctoral Researcher (Biostatistics)**, Department of PharmacoTheraphy, -Epidemiology & - Economics, University of Groningen (RuG), and Dept. of Psychiatry, Rob Giel Research center (RGOc), UMCG, the Netherlands

Jun 28, 2010 – Aug 04, 2018 **Assistant Professor**, Department of Statistics, Shahjalal University of Science and Technology (SUST), Sylhet-3114, Bangladesh.

Jun 27, 2007 – Jun 27, 2010 **Lecturer**, Department of Statistics, Shahjalal University of Science and Technology (SUST), Sylhet-3114, Bangladesh.

May 15, 2008 - Sep 10, 2009 **Consultant (Statistician)**, project name: Screening for Detection of Chronic Kidney Diseases. Department of Nephrology, North East Medical College Hospital, Sylhet, Bangladesh, Funded by the International Society of Nephrology (ISN) Research Grant, Belgium.

Feb 10, 2008 – Feb 15, 2009 **Consultant (Statistician)**, project name: Improvement of Gender Friendly Work Environment in the Tea Garden of Sylhet through Mobilizing Women and Adolescent Girl Workers. Executed by Reliant Women Development Organization (RWDO), an *NGO* in Sylhet, Bangladesh.

Dec 14, 2006 - Jun 28, 2007 **Customer Manager (Research and Development)**, GrameenPhone Limited, Dhaka, Bangladesh.

Education

Dec 2011 – Jul 2017 **PhD in Medical Statistics and Epidemiology**, Department of Epidemiology and Dept. of Psychiatry, Rob Giel Research Center (RGOc), University of Groningen, University Medical Center Groningen (UMCG), Groningen, the Netherlands
- Thesis title: Statistical approaches to explore clinical heterogeneity in psychosis
- Online link: Link
- Supervisors: Prof. dr. Edwin R. Van den Heuvel (TU/e, NL), Prof. dr. Richard Bruggeman (UMCG) and dr. Behrooz Z. Alizadeh (UMCG)
- Funded by: The GROUP Project (Dutch Health Research Council (ZON-MW, grant number 10-000-1001)
- Date of defense: July 05, 2017

Sep 2009 – Aug 2011 **Master in Biostatistics/*ICP***, Center for Statistics, Hasselt University, Belgium
- Graduated: Sep 2011
- Specialization: Biostatistics
- Thesis title: Herd-level risk factors associated with bovine brucellosis sero-positivity and abortion in Bangladesh.
- Online Link: Link
- Supervisors: Prof. dr. Marc Aerts (UHasselt), Prof. dr. Dirk Berkvens (ITM, Antwerp)
- Funded by: VLIR-OUS

Sep 2004 – Sep 2005 (Session: 2001-2002) **Master in Statistics**, Dept. of Statistics, Shahjalal University of Science and Technology, Sylhet-3114, Bangladesh
- Graduated: Sep 2005
- Specialization: Demography and Public Health
- Thesis title: Impact of abortion on reproductive health and antenatal care services in Bangladesh.
- Supervisors: Prof. dr. Md. Kabir Hossain

Sep 1998 – Oct 2004 (Session: 1997-2001) **B.Sc. (Honours) in Statistics**, Dept. of Statistics, Shahjalal University of Science and Technology, Sylhet-3114, Bangladesh
- Graduated: Sep 2004

Research Interest

I would like to work in the field of Biostatistics and Epidemiology. More specifically:
- Linear/non-linear mixed/Joint and mixture modelling
- Cluster Analysis and Latent growth curve modelling
- Group-based trajectory modelling
- Psychiatric Epidemiology
- Pharmaco-Epidemiology and Clinical Trials
- Epidemiology & Genetic Epidemiology (Bioinformatics tools)
- Advanced Data Modelling
- Heterogeneity in psychosis

Publications

- **Main and contributed author publications with link:**

1. Habtewold, T.D., Tiles-Sar, N., Liemburg, E.J., Sandhu, A.K., **Islam, M.A.**., et al. (2023). Six-year trajectories and associated factors of positive and negative symptoms in schizophrenia patients, siblings, and controls: Genetic Risk and Outcome of Psychosis (GROUP) study. *Scientific Reports,* 13, 9391. Link
2. **Islam, M.A.,** Amin, R., Al-Islam, A., Ferdous, R., and Kawsar, L.A. (2023). Cluster and regional level variation of hemoglobin concentration of ever-married women in Bangladesh: a linear mixed model approach. *Biometrics & Biostatistics International Journal*, 12(1): 1–6. Link
3. Sianturi, E. I., Perwitasari, D. A., Soltief, S. N., **Islam, M.A.**, Geboers, B., and Taxis, K. (2021). Health literacy of people living with HIV in a rural area in Indonesia: A cross-sectional study. *Health & social care in the community*, 29(1), 127–134. Link

4. Bhuia, M.R., **Islam, M.A.**, Nwaru, B.I., Weir, C.J., and Sheikh, A. (2020). Models for estimating and projecting global, regional and national prevalence and disease burden of asthma: a systematic review. *Journal of Global Health*,10(2):020409. Link

5. Habtewold, T.D., Liemburg, E.J, **Islam, M.A.**, *et al.* (2020). Association of schizophrenia polygenic risk score with data-driven cognitive subtypes: A six-year longitudinal study in patients, siblings and controls. *Schizophrenia Research*, 223, 135-147. Link

6. Zahan, F.N., Kawsar, L.A., **Islam, M.A.**, and Bhuia, M.R. (2020). Internal consistency and structure of the statistics anxiety rating scale: A multivariate analysis among undergraduate students of SUST, Sylhet. *SUST Journal of Science and Technology,* 30(1): 40-48. Link

7. Zahan, F.N., **Islam, M.A.**, and Kawsar, L.A. (2020). Relationships among Statistics Anxiety, Depression and Academic Performance, *International Journal of Statistical Sciences*, 19: 35-52. Link

8. Bhowmik, K.R., Das, S., and **Islam, M.A**. (2020). Modelling the number of antenatal care visits in Bangladesh to determine the risk factors for reduced antenatal care attendance. *PLOS One*, 15(1): e0228215. Link

9. Habtewold, T.D., **Islam, M.A.**, Liemburg, E.J. *et al.* (2020). Polygenic risk score for schizophrenia was not associated with glycemic level (HbA1c) in patients with non-affective psychosis: Genetic Risk and Outcome of Psychosis (GROUP) cohort study. *Journal of Psychosomatic Research*, 132,109968. Link

10. Habtewold, T.D., Mohammed, S.H., Endalamaw, A., Mulugeta, H., Dessie, G., Berhe, D.F., Birhanu, M.M., **Islam, M.A**., Teferra, A.A., Asefa, N.G., and Alemu, S.M. (2020). Higher educational and economic status are key factors for the timely initiation of breastfeeding in Ethiopia: A review and meta-analysis. *Acta Paediatrica*. Link

11. Pleguezuelos, O., Dille, J., de Groen, S., Oftung, F., Niesters, H.G.M., **Islam, M.A**., Naess, L.M., Hungnes, O., Aldarij, N., Idema, D.L., Perez, A.F., James, E., Frijlink, H.W., Stoloff, G., Groeneveld, P., and Hak, E. (2020). Immunogenicity, Safety, and Efficacy of a Standalone Universal Influenza Vaccine, FLU-v, in Healthy Adults: A Randomized Clinical Trial. *Annals of Internal Medicine*, 172(7):453-462. Link

12. Sianturi, E.I., Perwitasari D., **Islam, M.A**., and Taxis, K. (2019). The Association between Ethnicity, Stigma, Beliefs about Medicines and Adherence: a cross-sectional study of Indigenous People Living with HIV in Rural Area, Indonesia. *BMC Public Health*, 19:55. Link

13. Habtewold, T.D., Mohammed, S.H., Endalamaw, A., Akibu, M., Sharew, N.T., Alemu, Y.M., Beyene, M.G., Sisay, T.A., Birhanu, M.M., **Islam, M.A**., and Tegegne, B.S. (2019). Breast and complementary feeding in Ethiopia: new national evidence from systematic review and meta-analyses of studies in the past 10 years. *European Journal of Nutrition*, 58(7):2565-2595. Link

14. Irawati, S., Wasir, R., Floriaan, S.A., **Islam, M.A**., *et al.* (2019). Long-term incidence and risk factors of cardiovascular events in Asian populations: systematic review and meta-analysis of population-based cohort studies. *Current Medical Research and Opinion*, 35(2):291-299. Link

15. **Islam, M.A**., Habtewold, T.D., van Es, F.D., Quee, P.J., van den Heuvel, E.R., Alizadeh, B.Z., Bruggeman, R., and GROUP Investigators. (2018). Long-term cognitive trajectories and heterogeneity in patients with schizophrenia and their unaffected siblings. *Acta Psychiatrica Scandinavica*, 138(6), 591-604. Link

16. van Os, J., van der Steen, Y., **Islam, M.A**., Glksz, S., Rutten, B.P., Simons, C.J., and GROUP Investigators (2017). Evidence that polygenic risk for psychotic disorder is expressed in the domain of neurodevelopment, emotion regulation and attribution of salience, *Psychological Medicine*, 47(14):2421-2437. Link

17. Stiekema, A.P.M., **Islam, M.A**. et al. (2017). Long-term course of negative symptom subdomains and relationship with outcome in patients with a psychotic disorder. *Schizophrenia Research*. 193(3):173-181. Link

18. **Islam, M.A**., Khan, M.F.H., Quee, P.J., Snieder, H., van den Heuvel, E.R., Alizadeh, B.Z. and GROUP Investigators (2017). Familial liability to psychosis is a risk factor for multimorbidity in People with psychotic disorders and their unaffected siblings. *European Psychiatry*, 45, 81-89. Link

19. Habtewold, T.D., **Islam, M.A.**, Sharew, N.T., Mohammed, S.H., Sissay, T.A., Berhanu, M.M., and Tegegne, B.S. (2017). ComprEhensive systematic review and meta-aNAlysis on infanT and young child feeding Practices (ENAT-P) in Ethiopia: Protocol. *BMJ Open*, 7(8): e017437. Link

20. Ferdous, M., Friedrich, A., Grundmann, H., de Boer, R., Croughs, P., **Islam, M.A**, Kluytmans-van den Bergh., Marjolein, K.S.A., and Rossen, J. (2016). Molecular characterization and phylogeny of Shiga toxin-producing E. coli (STEC) isolates obtained from two Dutch regions using Whole Genome Sequencing, *Clinical Microbiology and Infection*, 22(7), 642.e1642.e9. Link

21. **Islam, M.A.**, Hossain, M.T., Sarwar, G., Kawsar, L.A., Smrity, L.A., Alam, M.A., Hossain, K.H., and Bhuia, M.R. (2016). Structural Equation Modeling to Assess the Impact of Socio-Demographic Variables on Fertility of Ethnic Manipuri Women, *Biometrics & Biostatistics International Journal*, 3(5), 167-172. Link

22. **Islam, M.A.**, Hossain, M.T., Sarwar, G., Kawsar, L.A., Smrity, L.A., Alam, M.A., Hossain, K.H., and Bhuia, M.R. (2016). Is Socio-economic Condition of Manipuri Tribe Improving - A two Phase Comparison Using Income Distribution Model, *International Journal of Statistics and Applications*, 6(3), 138-144. Link

23. Liemburg, E.J., Bruins, J., van Beveren, N., **Islam, M.A.**, Alizadeh, B.Z., and GROUP investigators (2016). Cannabis and a lower BMI in psychosis: What is the role of AKT1?, *Schizophrenia Research*, 176(2), 95-99. Link

24. Habtewold, T.D., **Islam, M.A.**, Radi, Y.T., and Tegegne, B.S. (2016). Comorbidity of depression and diabetes: an application of the biopsychosocial model, *International Journal of Mental Health Systems*, 10:74. Link

25. **Islam, M.A.**, Alizadeh, B.Z., van den Heuvel, E.R., and GROUP Investigators (2015). A comparison of indices for identifying the number of clusters in hierarchical clustering: A study on cognition in schizophrenia patients, *Communication in Statistics-Case studies, data analysis and applications*, 1(2), 98-113. Link

26. Quee, P.J., Meijer, J.H., **Islam, M.A.**, Aleman, A., Alizadeh, B.Z., Meijer, C.J., van den Heuvel, E.R. and GROUP Investigators (2014). Premorbid Adjustment Profiles in Psychosis and the Role of Familial Factors, *Journal of Abnormal Psychology*, 123(3), 578-87. Link

27. Apeldoorn, S.Y., Sterk, B., van den Heuvel, E.R., Schoevers, R.A., **Islam, M.A.**, and Genetic Risk and Outcome of Psychosis (GROUP) Investigators (2014). Factors contributing to the duration of untreated psychosis, *Schizophrenia Research*, 158(1-3), 76-81. Link

28. Bhuia, M.R., Hossain, M.K., Hossain, M.F., **Islam, M.A.**, Tofayel. A., and Jobayer, S.M. (2009). Knowledge, Attitude and Community views of Forced Marriage-A Study in Sylhet division. *Jahangirnagar University Journal of Science*, 32(1), 103-113. Link

29. Kawsar, L.A., Kabir, A., and **Islam, M.A.** (2009). Sex Preference and Contraceptive Norms among Different Regions in Bangladesh, *International Quarterly of Community Health Education*, 29(2), 183-197. Link

30. Kabir, A., Ali, R., M. Shahidul Islam, M.S., Kawsar, L.A., and **Islam, M.A**. (2009). A Comparison of the Regional Variations of Fertility in Bangladesh, *International Quarterly of Community Health Education*, 29(3), 275-291. Link

31. Das, Sumonkanti., Hossain, M.Z., and **Islam, M.A**. (2008). Predictors of Child Chronic Malnutrition in Bangladesh, *Proc. Pakistan Academy of Science*, 45(3), 137-155. Link

○ In preparation / under review / Accepted

- **Islam, M.A.**, Pijnenborg, G.H.M., de Vries, S., *et al.* (2023). The predictive value of neuro and social cognition for the development of psychotic experiences in siblings of people with psychotic disorders (Joint 1st author). Submitted *to Schizophrenia Research.*

- Naderi, E., **Islam, M.A.,** Nolte, I.M., and Langendijk, J.A., Alizadeh, B.Z. (2023). Genome-wide association analysis using multiple phenotype imputed datasets: demonstration and pitfalls. submitted to *BMC Medical Research Methodology*.

Conference presentation (oral/poster)

- Poster**:** van Dam, M.T., Stiekema, A.P.M., **Islam, M.A.**, Swart, M., Redmeyer, J.E., Dethmers, A.M., Aleman, A., Velligan, D.I., Castelein, S., Bruggeman, R., van Weeghel, J., Pijnenborg, G.H.M., and van der Meer, L. (2017). SU15. Implementation of Cognitive Adaptation Training in a hospital Setting: facilitating and hampering factors, Schizophrenia Bulletin, 43 (suppl_1): S166-S165. *16th International Congress on Schizophrenia Research (ICOSR),* March 24-28, 2017, San Diego, California, USA.

- Poster**:** van der Meer, L., Stiekema, A.P.M., van Dam, M.T., Swart, M., Redmeyer, J.E., Dethmers, A.M., **Islam, M.A.**, Aleman, A., van Weeghel, J., Castelein, S., Pijnenborg, G.H.M., Velligan, D.I., and Bruggeman, R. (2017). Cognitive Adaptation Training: is it effective as a nursing intervention in a hospital setting? SU13. *Schizophrenia Bulletin*, 43(suppl_1): S165-S165. *16th International Congress on Schizophrenia Research (ICOSR)*, March 24-28, 2017, San Diego, California, USA.

- Poster**: Islam, M.A.**, Quee, P.J., van den Heuvel, E.R., Alizadeh, B.Z., and GROUP Investigators (2015). Association and Predictive Value of Genetic Risk Score for Schizophrenia and Cognitive Profiles in Unaffected Siblings: The Group Study. Sa103, *Journal for European Neuropsychopharmacology*, 62-62. *23rd of World Congress of Psychiatric Genetics*, October 16-20, 2015, Toronto, Canada.

- Poster**:** Apeldoorn, S.Y., **Islam, M.A.**, Sterk, B., Bruggeman, R., de Haan, L., van den Heuvel, E.R., Schoevers, R.A., and GROUP Investigators (2015). Duration of untreated psychosis and its clinical consequences on the longer term, *15th International Congress on Schizophrenia Research (ICOSR)*, March 28– April 01, 2015. The Broadmoor, Colorado Springs, Colorado, USA.

- Oral**: Islam, M.A.**, Khan, M.F., Quee, p.J., Snieder, H., van den Heuvel, E.R., Bruggeman, R., and Alizadeh, B.Z. (2013). Multimorbidity in psychotic disorders and their unaffected siblings: an Epidemiological perspective, *4th European conference on schizophrenia research: together for better treatment and care, Eur Arch Psychiatry Clin Neurosci*, 263 (Suppl1): S7–S111. Berlin, Germany.

- Poster: Apeldoorn, S.Y., Sterk, B., **Islam**, **M.A.** and GROUP investigators (2013). Migration status: a predictor of the duration of untreated psychosis, *14th International Congress on Schizophrenia Research (ICOSR)*, April 21-25, 2013, Orlando Grande Lakes, Florida, USA.

- Poster**: Islam, M.A**., Alizadeh, B.Z., van den Heuvel, E.R., and GROUP Investigators (2012). Clustering cognitive performance in schizophrenia, *WEON*, June 14-15, 2012, Rotterdam, The Netherlands.

Citation indices (google scholar: 09-09-2023)

- Citations: 655
- h-index: 15
- i10 index: 21

Current Research Grant/Ongoing Project/Completed Project

Aug 2018 – Jun 2022 Completed **Research project (PS/2018/3/35)**, SUST, Sylhet
- Project Title: Heterogeneity and the impact of depression on health-related quality of life among T2D patients in Bangladesh: An application of Trajectory modelling techniques.
- Role: Principal Investigator
- Grant: $6000
- Funded by: SUST Research Centre, SUST, Sylhet

August 2020 – June 2021 Completed **Research project (PS/2020/1/35)**, SUST, Sylhet
- Project Title: Relationships among Occupational Stress, Professional Burnout and Depressive Symptoms of public and private University teachers in Sylhet.
- Role: Co-Investigator
- Grant: $2700
- Funded by: SUST Research Centre, SUST, Sylhet

Aug 2019 – Jun 2020 completed **Research project (PS/2019/1/31)**, SUST, Sylhet
- Project Title: Statistics anxiety and its influence on academic performance among undergraduate students: A case study of SUST, Sylhet.
- Role: Co-Investigator
- Grant: $2500
- Funded by: SUST Research Centre, SUST, Sylhet

Sep 2019 – Jun 2021 ongoing **Research project**, Department of Accounting and Finance, University of Greenwich, UK
- Project Title: Statistics anxiety on academic performance among undergraduate students: A comparison of developed (UK) and a developing country (Bangladesh).
- Role: Co-Investigator
- Grant: £4000
- Funded by: Dept. of Accounting and Finance, University of Greenwich, UK

Postgraduate training/courses (selected) followed

Advanced methodological, statistical and Genetic courses followed at different Universities.

RuG and UMCG, the Netherlands (2012-2017):
- (1) Generalized additive models;(2) Clinical Relevance versus Statistical Significance; (3) Advances in Genetic Epidemiological Research and Data Analysis; (4) Systematic reviews and meta-analysis; (5) Clinical Epidemiology; (6) Mixed Models for Clustered Data; (7) Psychiatric Epidemiology; (8) Study Design in Clinical Epidemiology; (9) Genetic epidemiological research and data analysis.

Max Delbruck Centrum, Berlin, Germany (2012):
- (10) Genetic Association course.

University of Washington, Seattle, USA (2014):
- (11) Population genetic data analysis; (12) Quantitative genetics; (13) Bayesian Statistics for genetics.

Hasselt University, Belgium: Biostatistics (2009-2011):
- (14) Regression analysis; (15) Survival Data Analysis; (16) Modeling Infectious Diseases; (17) Longitudinal Data Analysis; (18) Missing data analysis (19) Bayesian Data analysis; (20) Clinical Trials; (21) Advanced Modeling Techniques; (22) Biometrics; (23) Non-linear modelling techniques; (24) Principles of Statistical Inference; (25) Foundation of linear models; (26) Discrete data analysis; (27) Correlated and Multivariate data analysis; (28) Non-parametric methods; (29) Topic in Epidemiology.

SUST, Bangladesh: Statistics/Applied Statistics/Mathematics (1999-2006)- selected:
- (30) Regression analysis-I &II; (31) Demography; (32) Sampling Techniques; (33) Probability distribution; (34) Industrial/Applied Statistics; (35) Design & Analysis of Experiments; (36) Linear Programming; (37) Stochastic Process; (38) Econometrics; (39) Biostatistics and Epidemiology; (40) Statistical Computing; (41) Linear Algebra; (42) Calculus; (43) Numerical analysis; (44) Real analysis.

Software/Statistical program

Program
- SAS, R, STATA, SPSS, rSTAN, WINBUGS.

Bioinformatics tools
- PLINK, GenomeStudio, Eigenstrat, UNPHASED, minimac2, IMPUTE2.

Awards/Academic Achievements

○ Received GROUP-project and RGOc grant from University Medical Center Groningen to pursue doctoral research work (November 2011 to September 2016).

○ Awarded VLIR-UOS scholarship from Belgium Flemish government for International Course Program (ICP) in Master in Biostatistics, Hasselt University, Belgium, Session: 2009-2011.

○ Dean Award-Book Prize (awarded in recognition of the highest talent and greatest achievement among all graduates of the Department of Statistics at the Bachelor's Level Examination-2001 & the Master's Level Examination-2002).

○ Received four meritorious scholarships viz., 1st, 2nd, 3rd year in B. Sc. (Honours) & M.Sc. examination from the host University (SUST).

○ Awarded a scholarship to attend the 19th Summer Institute in Statistical Genetics courses at the University of Washington, Seattle, USA in July 2014.

Teaching and Lecturing

Teaching Courses (2007 – 2009 & 2017-2023) at the Dept. of Statistics, JnU and SUST, Bangladesh

○ Principles of Statistics and Probability Distribution (B.Sc. level)

○ Statistical Computing (B.Sc. level)

○ Design and Analysis of Experiments (B.Sc. level)

○ Biostatistics and Epidemiology (B.Sc. level) & Advanced Biostatistics (M.Sc. level)

○ Statistical Inference (B.Sc. level)

○ Multivariate Analysis (B.Sc. and M.Sc. level)

○ Generalized Linear models (M.Sc. level)

○ Categorical Data Analysis (M.Sc. level)

○ Teaching Statistics practical courses (2012-2017): Medical, ICPE students and Psychiatrists at UMCG, the Netherlands.

Conducting Workshops

Teaching Courses (2007 – 2009 & 2017-2023) at the Dept. of Statistics, JnU and SUST, Bangladesh

○ Workshops on Application of SPSS (October 17, 2022 – November 9, 2023), organized by Institutional Quality Assurance Cell (IQAC), Bangladesh Open University (BOU), Gazipur, Bangladesh

○ 'Datalytics', a day-long training session (July 29, 2022) on "Introduction to R" and "Econometrics Modelling in R", organized by BUP Economics Club, Bangladesh.

○ Foundation On Research Course, workshops (5th and 6th session, 2022) on "Data Collection Tools and Techniques" and "Qualitative and Quantitative Data Analysis", organized by YSRA, Bangladesh.

Co-supervisor of PhD in Statistics Students at JnU, Bangladesh

○ **Session: 2022-2023**

○ Student name: Shahanaj Parvin (Asst. Prof., Dept. of Statistics, JnU, Bangladesh)

○ Title: Global, Regional and National level Estimation of Antenatal Care (ANC) visits in 59 low and middle-income countries: A comparison of Classical and Bayesian Frailty Survival Modelling approaches.

○ **Session: 2021-2022**

○ Student name: Gowranga Kumar Paul (Assoc. Prof., Dept. of Statistics, MBSTU, Bangladesh)

○ Title: Determining Region-specific Risk Factors of Obesity, Hypertension and Diabetes among Adults in Bangladesh: A Joint Modelling Approach.

- **Session: 2020-2021**
    - Student name: Rebeka Sultana (Asst. Prof., Dept. of Statistics, JnU, Bangladesh)
    - Title: Bayesian Survival Modelling with Some Inverse Distributions and Their Generalizations.
- **Session: 2020-2021**
    - Student name: Mansura Begum (Asst. Prof., Dept. of Statistics, JnU, Bangladesh)
    - Title: Bayesian Modelling of Reliability with Some Generalized Family of Distributions.

Supervisor of Master in Statistics Students at JnU, Bangladesh

- **Session: 2021-2022 (2023)**
    - Student name: Zannat Foujia (M.Sc. thesis, JnU, Bangladesh)
    - Title: Regional Variation of Multimorbidity among Under 5 Children in Bangladesh: Generalized Linear Modelling Approach.
- **Session: 2020-2021 (2022)**
    - Student name: Shatabdi Shamrita Ume (M.Sc. thesis, JnU, Bangladesh)
    - Title: Bayesian Frailty Modeling of Correlated Survival Data with Application to First Antenatal Care Initiation among Pregnant Women in Bangladesh.

Supervisor of Master in Statistics Students at SUST, Bangladesh

- **Session: 2018-2019 (2021)**
    - Student name: Ruhul Amin (M.Sc. thesis, SUST, Bangladesh)
    - Title: Global, Regional and National level estimation of child mortality rates in 59 low-and-middle-income countries: A survival modelling approach.
- **Session: 2016-2017 (2019)**
    - Student name: Abdullah Al Islam (M.Sc. thesis, SUST, Bangladesh)
    - Title: Determinants of Hemoglobin Level of Women of South Asian Countries: A Multilevel Modeling Approach.
- **Session: 2015-2016 (2018)**
    - Student name: Tanjila Akter (M.Sc thesis, SUST, Bangladesh)
    - Title: Risk factors of child malnutrition in Bangladesh: A joint modelling approach.

Co-supervisor of Master/MD Students at UMCG, the Netherlands

- **Session: 2016-2017 (2017)**
    - Student name: Tesfa Dejenie Habtewold (ICPE master thesis project, UNCG, the Netherlands)
    - Title: Polygenic risk of type 2 diabetes mellitus among schizophrenic patients: cross-disorder meta-GWAS analysis.
- **Session: 2013-2014 (2014)**
    - Student name: Sanne Y. Apeldoorn (MD project thesis, UNCG, the Netherlands)
    - Title: Predictors of the duration of untreated psychosis.

Professional membership

- Life Member- Bangladesh Statistical Association (644 LM I-73).

Countries Visited

- Belgium, Canada, France, Germany, Indonesia, Italy, Netherlands, Qatar, Serbia, Spain, Switzerland, USA.

Online Link

- [My personal page](#)
- [My researchgate profile](#)
- [My Google Scholar profile](#)
- [My LinkedIn profile](#)

References

1) Prof. dr. Edwin R. Van den Heuvel
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2) Prof. dr. Richard Bruggeman, M.D
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3) Prof. dr. E. (Eelko) Hak
Professor of Clinical Pharmacoepidemiology
Educational director Pharmacy-MPS
University of Groningen
Antonius Deusinglaan 1
9713 AV Groningen, the Netherlands
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E-mail: e.hak@rug.nl

4) Prof. dr. Behrooz Z. Alizadeh, M.D
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Declaration

I do hereby certify that the information given is true and correct as to the best of my knowledge.

Signature: Dr. Md. Atiqul Islam