Mir Raihanul Islam

Curriculum Vitae

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About me

I am currently working as Research Analyst II at International Food Policy Research Institute, Dhaka Office. Here my core responsibilities are to design quantitative study, conduct sampling, prepare online and offline study tools, monitor and supervise surveys, analyze survey data, and prepare reports. I am involved in multiple surveys focusing on Food security and Resilience, Poverty, Public Health, , Women empowerment in agriculture, and WASH (Water, Sanitation and Hygiene).

Employment

Organization	*International Food Policy Research Institute, Dhaka office*
Designation	Research Analyst II
Major Roles	Sampling, quantitative study design, analysis and reporting
Duration	July 12, 2021 to Present

Organization	*BRAC James P Grant School of Public Health, BRAC University, Mohakhali, Dhaka, Bangladesh*
Designation	Senior Research Associate
Major Roles	Proposal and study tools development, data analysis, programme evaluation and report writing
Duration	August, 2019 to July 11, 2021

Organization	*BRAC James P Grant School of Public Health, BRAC University, Mohakhali, Dhaka, Bangladesh*
Designation	Research Associate
Major Roles	Study design and tools development, data analysis and report writing
Duration	January, 2019 to July, 2019

Organization	*Environment Research Unit, Research and Evaluation Division, BRAC*
Designation	Research Associate
Major Roles	Data analysis, tools development and report writing
Duration	December, 2016 to December, 2018

Education

2014-2015	**Master's in Applied Statistics**, *Institute of Statistical Research and Training (ISRT)*, University of Dhaka, *GPA − 3.63/4.00.*
2011–2014	**Bachelor in Applied Statistics**, *Institute of Statistical Research and Training (ISRT)*, University of Dhaka, *CGPA − 3.82/4.00.*
2009	**H.S.C in Science**, Notre Dame College, Dhaka, *GPA − 5.00/5.00.*
2007	**S.S.C in Science**, Adarsha School, Narayanganj, Dhaka Board, *GPA − 5.00/5.00.*

Research Project and surveys

2021   *Feed the Future Phase 2/US Global Food Security Strategy(GFSS) Midline Survey*

2021   *A Global Social Sciences Network for Infectious Threats and Antimicrobial Resistance*

2020   *Evaluation of BRAC-CDC Collaboration on Community Surveillance and Response in selected areas of Gazipur*

2020   *Skills Demand Analysis of Institution and Home-based Supplementary Health Care Services in Bangladesh, 2020*

2020   *Knowledge, perceptions, barriers and enablers, and lived experiences of the frontline health workers (FLWs) vis-à-vis COVID-19 epidemic management in Bangladesh: A quick assessment*

2020   *Front Line health Workers' (FLWs) perceptions and opinions on their personal safety while attending suspected or confirmed COVID-19 patients in Bangladesh*

2020   *Sustainable WASH for Rohingya Crisis*

2020   *Assessment of post-crash care system following road traffic accident in selected areas of Bangladesh*

2019   *Survey on consumer awareness of nutrition, food safety and hygiene*

2019   *Transparency, accountability and good governance for health system strengthening and advancing UHC agenda in Bangladesh*

2018   *Exploring behaviour patterns, risk perception, and social factors that discourage TB patients to quit smoking*

2018   *Assessing effectiveness of recent humanitarian responses in different disaster prone areas of Bangladesh*

2017   *Flash flood'17: Perspective from the Haor area of Bangladesh*

2017   *Facility Mapping, health seeking behavior and willingness to pay for service of BRAC health post in Phulbaria Upazila, Mymensingh*

2017   *Organizational Transformation: Perception of BRAC Staff*

2016   *Development of a Hyperactivity Scale for Children in the Context of Bangladesh.*

2016   *Diversity and Abundance of butterflies in a tropical inner-city habitat*

Academic Experience

Module   Biostatistics, Masters of Public Health programme, BRAC James P. Grant School of Public Health, BRAC University

Role   Teaching fellow

Year   2020 - 2021

Module   Environment Health and Climate Change, Masters of Public Health programme, BRAC James P. Grant School of Public Health, BRAC University

Role   Teaching fellow

Year   2019

Project   Summative Learning Project of the Masters of Public Health programme, BRAC James P. Grant School of Public Health, BRAC University

Role   Mentor

Year   2019 - 2020

Publications

2022 Hossain, M.A., Shafin, R., Ahmed, M.S., Rana, M.S., Walton, L.M., Raigangar, V., Ara, T., Rasel, M.A.H., Hossain, M.S., Kabir, M.F. and Islam, M.R., 2022. Health-Related Quality of Life and Coping Strategies adopted by COVID-19 survivors: A nationwide cross-sectional study in Bangladesh. Plos one, 17(11), p.e0277694.

2022 Tune, S.N.B.K., Islam, B.Z., Islam, M.R., Tasnim, Z. and Ahmed, S.M., 2022. Exploring the knowledge, attitudes, practices and lived experiences of frontline health workers in the times of COVID-19: a qualitative study from Bangladesh. BMJ open, 12(1), p.e051893.

2021 Al-Emran, H.M., Hasan, M.S., Setu, M.A.A., Rahman, M.S., Alam, A.R.U., Sarkar, S.L., Islam, M.T., Islam, M.R., Rahman, M.M., Islam, O.K. and Jahid, I.K., 2022. Genomic analysis of SARS-CoV-2 variants of concern identified from the ChAdOx1 nCoV-19 immunized patients from Southwest part of Bangladesh. Journal of infection and public health, 15(2), pp.156-163.

2021 Alam, A.R.U., Islam, O.K., Hasan, M.S., Islam, M.R., Mahmud, S., Al-Emran, H.M., Jahid, I.K., Crandall, K.A. and Hossain, M.A., 2022. Dominant clade-featured SARS-CoV-2 co-occurring mutations reveal plausible epistasis: An in silico based hypothetical model. Journal of medical virology, 94(3), pp.1035-1049.

2021 Parvez, M., Islam, M.R. and Dey, N.C., 2021. Household food insecurity after the early monsoon flash flood of 2017 among wetland (Haor) communities of northeastern Bangladesh: a cross-sectional study. Food and Energy Security, p.e326.

2021 Angell, B., Khan, M., Islam, R., Mandeville, K., Naher, N., Hutchinson, E., McKee, M., Ahmed, S.M. and Balabanova, D., 2021. Incentivising doctor attendance in rural Bangladesh: a latent class analysis of a discrete choice experiment. BMJ global health, 6(7), p.e006001.

2021 Hossain, M.B., Parvez, M., Islam, M.R., Evans, H. and Mistry, S.K., 2021. Assessment of non-communicable disease related lifestyle risk factors among adult population in Bangladesh. Journal of Biosocial Science, pp.1-21.

2021 Dey, N.C., Parvez, M. and Islam, M.R., 2021. A study on the impact of the 2017 early monsoon flash flood: Potential measures to safeguard livelihoods from extreme climate events in the haor area of Bangladesh. International Journal of Disaster Risk Reduction, 59, p.102247.

2019 Dey, N.C., Parvez, M., Islam, M.R., Mistry, S.K. and Levine, D.I., 2019. Effectiveness of a community-based water, sanitation, and hygiene (WASH) intervention in reduction of diarrhoea among under-five children: Evidence from a repeated cross-sectional study (2007–2015) in rural Bangladesh. International Journal of Hygiene and Environmental Health.

2018 Dey, N.C., Parvez, M., Saha, R., Islam, M.R., Akter, T., Rahman, M., Barua, M. and Islam, A., 2018. Water Quality and Willingness to Pay for Safe Drinking Water in Tala Upazila in a Coastal District of Bangladesh. Exposure and Health, pp.1-14.

2017 Chowdhury, S., Hesselberg, T., Böhm, M., Islam, M.R. and Aich, U., 2017. Butterfly diversity in a tropical urban habitat (Lepidoptera: Papilionoidea). Oriental insects, 51(4), pp.417-430.

Workshop and Professional Training

Workshop *Applying Propensity Score Approaches to Complex Survey Data Analyses*
Facilitator Dr. M. Ehsan Karim, Assistant Professor, University of British Columbia
Organisation Institute of Statistical Research and Training, University of Dhaka

Workshop *Navigating the Data Science Landscape*
Facilitator Enayet Raheem, PhD, Senior Data Scientist at Cigna,USA
Organisation Institute of Statistical Research and Training, University of Dhaka

Short Course	*Climate Input Data Processing and Analysis*
Organisation	Potsdam Institute for Climate Impact Research (Germany) & Institute of Water and Flood Management (IWFM), BUET, Bangladesh

Conference Talk

2020	The Sixth Global Symposium on Health Systems Research, Dubai
Role	Presenter and participant
Topic	*Determinants of absenteeism among public sector doctors in Bangladesh*

2019	2nd International Conference on Applied Statistics
Role	Participant

2015	The Second International Conference on Statistics, Bangladesh
Role	Presenter and participant
Topic	*A statistical approach to Bangla handwriting character recognition using image moments*

Academic Awards and Scholarships

2020	Speaker Scholarship for presenting research findings, The Sixth Global Symposium on Health Systems Research
2016	Dean's Award for academic excellence in B.Sc, University of Dhaka
2015	National Science and Technology (NST) Fellowship for Master's thesis
2013	Institute of Statistical Research and Training Merit Scholarship for academic excellence in B.Sc
2007	Merit Scholarship in Secondary School Certificate examination, Dhaka Board

Master's Thesis

Title	*A statistical approach to Bangla handwriting character recognition using image moments*
Description	This thesis explored the moment based approach of Bangla handwritten character recognition using different statistical feature extraction methods and classifiers. The result indicates that constructing feature vectors based on image moments is a promising alternative to pixel based methods for Bangla character recognition

Bachelor Project

Title	*Predicting daily stock price: A case study on five companies listed in Dhaka stock exchange*
Description	This project emphasized on the predictability of the daily stock prices on selected companies and discover the form of efficiency of Dhaka Stock Exchange

Computer Skills

Advanced	R, STATA, SPSS, MATLAB, LATEX, SurveyCTO, KoBoToolbox
Intermediate	C, FORTRAN, PYTHON
Beginner	MySQL

Languages

Bengali	Mother tongue
English	Fluent

Personal Information

Father	Mir Sirajul Islam
Mother	Monowara Islam
Date of Birth	December 30,1992
Religion	Islam
Nationality	Bangladeshi
Address	Flat:20, Building:G, Sikder Riverview Estate, West Dhanmondi, Dhaka

Referees

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