

RAISA SHAMMA

✉ raisashamma@gmail.com

📍 Eastern Baily, 146 New Baily Road, Dhaka 1000, Bangladesh 📞 01824420282

PERSONAL DETAILS

Date of Birth: April 02, 1997
Language: Bangla, English
Google Scholar: Raisa Shamma

EDUCATION

Institute of Statistical Research & Training, University of Dhaka *December 2021 - December 2022*

M.S. in Applied Statistics

CGPA: 3.90/4.00

Institute of Statistical Research & Training, University of Dhaka *January 2016 - November 2021*

B.S. Honors in Applied Statistics

CGPA: 3.92/4.00

WORK EXPERIENCE

International Food Policy Research Institute (IFPRI) *January 2023 - present*

Research Analyst

Poverty, Health Nutrition Division (PHND)

- Contribute to the design and management of research projects and coordination with partners.
- Assisting with planning and running field operations related to survey collection, ensuring adherence to the research design, monitoring data quality, and supporting data analysis.
- Assisting with the development and implementation of quantitative surveys, including questionnaire development and programming for CAPI, field team training and development of software applications for recording interviews.

International Food Policy Research Institute (IFPRI) *September 2022 - January 2023*

Research Assistant (Consultant)

- Assisted with survey design and development for a randomized controlled trial (RCT).
- Collaborated with promising implementing partners regarding the implementation of randomized controlled trials to evaluate the efficacy of their existing services.
- Assisted with literature reviews and summaries as needed.

North South University *December 2021 - August 2022*

Research Assistant

- Used boosted additive quantile regression to model the dynamics of stunting among children under the age of five based on nationally representative data.

10 Minute School *March 2018 - May 2022*

Associate

Content (Quality Assurance and Control)

- Reviewed academic content, managed teams of content reviewers, audited evaluation reports made by content reviewers, recruited and trained reviewers.

10 Minute School *January 2017 - February 2018*

Academic Instructor

- Conducted high school level Physics classes for thousands of students online.

PEER-REVIEWED PUBLICATION

Afiaz, A., Biswas, R. K., Shamma, R., Ananna, N. (2020). Intimate partner violence (IPV) with miscarriages, stillbirths and abortions: Identifying vulnerable households for women in Bangladesh. *PLoS One*, 15(7), e0236670.

RESEARCH EXPERIENCE

Postgrad Research

January 2022 - December 2022

Information Criteria for Penalized Likelihood Approach in Generalized Linear Models

- Develop information criteria for penalized likelihood approaches to deal with small sample bias and separation problem in generalized linear models.
- **Tools:** R, STATA

Undergrad Research

June 2020 - March 2021

Evaluation of Current Family Planning Services on the Unmet Need for Bangladeshi women: Analysis of a Nationally Representative Data

- Used bi-variate analysis and binary logistic regression analysis to investigate the effectiveness of the type of family planning interventions on the unmet family planning need status of women of the reproductive age taken in the survey.
- **Tools:** SPSS, R

AWARDS

Dean's Honor Award in recognition of outstanding accomplishment in B.S. Honors Examination from the Faculty of Science, University of Dhaka

TECHNICAL SKILLS

Programming and Software

R, STATA, SPSS, LaTeX, Microsoft Excel, Microsoft Word

Data Management & Analysis

Cleaning, managing and analyzing data, both theoretical and practical

CONFERENCES

Second International Conference on Applied Statistics (ICAS), 2019 organized by Institute of Statistical Research and Training, University of Dhaka

REFEREES

Dr. M. Shafiqur Rahman

Professor & Director

Institute of Statistical Research & Training

University of Dhaka

Bangladesh

Email: shafiq@isrt.ac.bd

Dr. Anower Hossain

Assistant Professor (Research)

Clinical Trials Unit, Warwick Medical School

University of Warwick

Coventry, UK

Email: a.hossain@warwick.ac.uk