

## Curriculum Vitae of Bikash Pal

Email: bikashpal@du.ac.bd

Address: Sir PJ Hartog International Hall, University of Dhaka, Dhaka-1000, Bangladesh

Mobile: +880 1742290787

### Education

<b>University of Dhaka</b> <i>Master of Science in Statistics (Department of Statistics)</i> GPA: 3.97 (on a scale of 4.00)	Dhaka, Bangladesh 2017 - 2018
---	----------------------------------

<b>University of Dhaka</b> <i>Bachelor of Science in Statistics (Department of Statistics)</i> CGPA: 3.99 (on a scale of 4.00)	Dhaka, Bangladesh 2013 - 2017
--	----------------------------------

### Research Interest

Survival Analysis, Statistical Theory, Longitudinal Data Analysis, Causal Inference, Clinical Trials

### Work Experience

<b>University of Dhaka</b> <i>Assistant Professor in Statistics (Department of Statistics)</i>	Dhaka, Bangladesh January 2021 - Present
---	---

<b>ICDDR,B</b> <i>Research Assistant (Health Systems and Population Studies Division)</i>	Dhaka, Bangladesh October 2020 - December 2020
--	---

### Teaching Experience

- Teaching undergraduate and graduate level students and providing consultation classes
- Preparing lecture notes and question papers, invigilating exams, grading scripts, and making final grade sheets
- Developing curriculum for courses
- Helping the department or university in academic, extracurricular, and administrative activities
- Ideating and contributing to formulating research

### Research Publications

- Karmaker SC, Rjbongshi A, **Pal B**, Sen KK, Chapman AJ., 2025. Machine learning-based prediction of energy poverty in Bangladesh: Unveiling key socioeconomic drivers for targeted policy actions. *Socio-Economic Planning Sciences*. Mar 29:102213.
- Amin, M.T., Ara, T., **Pal, B.** *et al.*, 2025. Prevalence and correlates of anxiety and depression among ever-married reproductive-aged women in Bangladesh: national-level insights from the 2022 Bangladesh Demographic and Health Survey. *BMC Public Health* 25, 1143.
- Afroz F., Akib M. M. H., **Pal B.**, Asha A. S., 2025. Impact of parental education on number of under five children death per mother in Bangladesh. *Plos one* 20(2): e0318787.
- Akib, M.M.H., Afroz, F. and **Pal, B.**, 2025. Beyond averages: dissecting urban-rural disparities in skilled antenatal care utilization in Bangladesh-a conway-maxwell-poisson regression analysis. *BMC Pregnancy and Childbirth*, 25, p.119.

- 
- Shahruljaman, S. M., Sikder, B. B., Zahid, D., and **Pal, B.** 2025. Heat Wave Adaptation Strategies among Informal Workers in an Urban Setting: A Study in Dhaka City, Bangladesh. *Natural Hazards Research*. <https://doi.org/10.1016/j.nhres.2025.01.006>
  - Akter, S., Hosen, M. S., Khan, M. S., and **Pal, B.**, 2024. Assessing the pattern of key factors on women's empowerment in Bangladesh: Evidence from Bangladesh Demographic and Health Survey, 2007 to 2017–18. *Plos one*, 19(3), e0301501.
  - **Pal, B.**, and Jaamee, A. R., 2021. Analyzing Infant Mortality in Rural Bangladesh: A Frailty Modeling Approach. *Dhaka University Journal of Science*, 69(2), 63-69.
  - Akib, M. M. H., and **Pal, B.**, 2023. Analyzing Overdispersed Skilled Antenatal Care Visits of Pregnant Women in Bangladesh Using Generalized Poisson Regression Model. *Dhaka University Journal of Science*, 71(1), 69-75.
  - Akter, S., Hosen, M. S., Khan, M. S., and **Pal, B.**, 2024. Rise of Women: A Decadal Journey of Women's Empowerment in Bangladesh (2010-2020). *Dhaka University Journal of Science*, 72(2), 35-46.
  - Akib, M. M. H., and **Pal, B.**, 2024. Analyzing Number of Children Ever Born in Bangladesh Using Generalized Poisson Regression Model. *Dhaka University Journal of Science*, 72(2), 01-06.
  - **Pal, B.**, and Shafiullah, A. Z. M., 2023. Factors of Using Long Acting and Permanent Methods (LAPM) of Contraception: Bangladesh Perspective. *Dhaka University Journal of Science*, 71(2), 87-94.

---

#### **Supervision** *Department of Statistics, University of Dhaka*

---

Machine Learning-based Prediction of Energy Poverty in Bangladesh: Unveiling Key Socioeconomic Drivers for Targeted Policy Actions <i>MS Thesis</i>	July 2022 – June 2023
Mediating Effect of Remittance on Women's Health: Evidence from Bangladesh Household Survey <i>MS Thesis</i>	July 2022 – June 2023
Socioeconomic Inequalities in Maternal Health: A Decadal Analysis of Antenatal and Institutional Delivery in Bangladesh <i>Fourth Year BS (Honors) Project</i>	July 2023 – June 2024
Child Nutritional Status in Bangladesh: Prevalence, Determinants, and Policy Implications <i>Fourth Year BS (Honors) Project</i>	July 2022 – June 2023
Assessing the Pattern of Key Factors on Women's Empowerment in Bangladesh: Evidence from Bangladesh Demographic and Health Survey, 2007 to 2017–18 <i>Fourth Year BS (Honors) Project</i>	July 2021 – June 2022

---

#### **Standardized Test Scores**

##### **IELTS**

---

Overall	Listening	Reading	Writing	Speaking
7.5	7.5	8	7	6.5

---

## Skills

---

**Software and Programming:** R, SAS, STATA, SPSS

**Word Processing Application:** Microsoft Office, LaTeX

---

## Scholarships and Awards

---

- Prime Minister Gold Medal
- Dean's Award
- Jagannath Hall Gold Medal
- National Science and Technology (NST) Fellowship
- Dhaka University Statistics Department Alumni Association (DUSDAA) Scholarship

---

## Training/Workshop

---

**Foundation Certificate in University Teaching and Learning** 24 May 2024 - 06 June 2024  
(Institutional Quality Assurance Cell, University of Dhaka)

**Workshop on DHS Data Management** March, 2024  
(Institute for Statistical Research and Training, University of Dhaka)

---

## Extracurricular Activities

---

**Students' Advisor** (Department of Statistics, University of Dhaka) October 2024 - Present  
*Providing academic guidance and mentorship to the students*

**Sports Advisor** (Department of Statistics, University of Dhaka) September 2024 - Present  
*Providing guidance to the students in sports-related activities*

**Lifetime Member** (Dhaka University Statistics Department Alumni Association (DUSDAA)) January 2019 - Present  
*Contributing to strengthening alumni relations*

---

## References

---

- Wasimul Bari, PhD  
Professor  
Department of Statistics  
University of Dhaka, Bangladesh  
Email: w\_bari@du.ac.bd
- Jafar Ahmed Khan, PhD  
Professor and Chairman  
Department of Statistics  
University of Dhaka, Bangladesh  
Email: jafar@du.ac.bd
- Shamal Chandra Karmaker, PhD  
Assistant Professor  
Multiscale Science and Engineering for Energy and the Environment Thrust International Institute  
for Carbon-Neutral Energy Research  
Kyushu University, Japan  
Email: karmaker.shamal.chandra.285@m.kyushu-u.ac.jp