

# Sulagna Ray

Adjunct Faculty, Adamas University

Email: [sulagna.125ray@gmail.com](mailto:sulagna.125ray@gmail.com)

Contact No: +91-9123932745

Location: Kolkata, India

LinkedIn ID:

<https://www.linkedin.com/in/sulagna-ray-1151971a0>

## PROFESSIONAL SUMMARY

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Dedicated educator with extensive experience teaching Mathematics and Statistics to undergraduate and postgraduate students across diverse disciplines. Skilled in mentoring students through academic projects, delivering tailored support to enhance learning outcomes, and employing innovative methods for continuous assessment. Adept at contributing to departmental initiatives and committee work, ensuring academic and administrative excellence.

## EXPERIENCE

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**Adamas University – Kolkata, India**

**Adjunct Faculty | Dept of Mathematics, (08/2024-Current)**

- I am an Adjunct Faculty in the Department of Mathematics at Adamas University, where I have been contributing to teaching and academic development for the past year. My teaching topic includes courses such as, Probability theory, ANOVA and Design of Experiments, Descriptive Statistics, Data Analytics with Mx-Excel and R-Programming.
- In addition to my teaching responsibilities, I actively engage in mentoring and research guidance.

**Evelyn Learning System – New Delhi, India**

**Subject Matter Expert of Statistics & Probability (03/2021-6/2023)**

- Experienced in guiding students through complex statistical concepts, ensuring a clear understanding of foundational and advanced techniques. Proficient in providing prompt, detailed explanations to address queries and foster comprehension. Skilled in creating a supportive online learning environment that encourages continuous learning and enhances students' proficiency in statistics.

## EDUCATION

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**PhD Statistics | 2024 – Currently Pursuing**

Department of Mathematics & Statistics, Aliah University, Newtown, Kolkata, West Bengal

**Topic:** Development and Implementation of Novel Non-linear Regression Techniques

**M.Sc. Statistics | 2018- 2020**

Department of Statistics, Kalyani University, West Bengal

Marks – 75.56%

**B.Sc. (Hons) Statistics | 2015-2018**

Department of Statistics, Surendranath College, Calcutta University, West Bengal

Marks – 66%

## AREA OF INTEREST

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- Regression Techniques
- Probability Theory and Distribution
- Anova
- Design of Experiments
- Testing of Hypothesis

## TECHNICAL SKILLS

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- Advanced MS-Excel
- Minitab
- R Programming
- PowerBI
- MS-Office

## PROJECT & DISSERTATION

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### **Prediction of WHO Life Expectancy Data Using Multiple Linear Regression**

The above project is based on multiple linear regression (MLR) and is done under the supervision of Dr. Ganesh Dutta, Department of Statistics, University of Kalyani.

**Tools Used:** R Programming, Ms Excel.

### **A Two Treatment Covariate Adjusted Response Adaptive Allocation Design**

This is a project based on clinical trial and is done under the supervision of Dr. Sourav De, asst. professor of Statistics, Presidency University.

**Tools Used:** R Programming, Ms Excel.

## CONFERENCE

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- **International Conference on Recent Advances in Mathematics, Statistics, and Data Science 2024** held at Adamas University Kolkata West Bengal, India during 27-28 November
- **Paper presented:** On a Two Treatment Covariate Adjusted Response Adaptive Allocation Design