

SAMBARAN SAHA

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PROFESSIONAL SUMMARY

Currently working as a Regular Adjunct Faculty at Department of Mathematics, Adamas University with 1 year of teaching experience. Previously served at Brainware University for 1 year and 3 months, gaining valuable experience in teaching and academic administration. Additionally, I have 2 years of industry experience in the market research analytics domain. I am seeking opportunities to share my knowledge and teaching expertise while advancing my academic career.

EXPERIENCE

Adamas University – Kolkata, India

Adjunct Faculty (02/2024 - 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 Sampling Theory, Probability Theory and Distribution, Multivariate Analysis, ANOVA and Design of Experiments, Data Analytics with Mx-Excel and PowerBI, R-Programming.
- In addition to my teaching responsibilities, I actively engage in mentoring and research guidance. Currently, I am supervising two students for their final semester projects/dissertation.

Brainware University – Kolkata, India

Data Analyst (12/2022 - 02/2024)

- I am responsible for conducting regular classes for engineering students, delivering engaging and informative lectures, and providing academic guidance. My teaching topic includes courses such as Probability Theory and Distribution, Statistical Methodes, Data Analytics with Mx-Excel and.
- My duties extend to generating daily, weekly, and monthly reports on university data. Additionally, I use graphical representation techniques to present university data, making it easier to understand and communicate trends and results.

IPSOS MMA – Bangalore, India

Data Analyst (04/2022 - 11/2022)

- With a background in market research analytics, I have extensive experience in analysing market data to uncover trends and insights. I perform statistical analysis on large datasets, applying predictive modelling techniques to forecast future trends and sales. Utilizing graphical representation tools, I create clear visualizations that highlight key market patterns.
- I specialize in predicting future sales, optimizing investment costs, and calculating Return on Investment (ROI) and Marketing ROI (MROI) to assess the effectiveness of marketing efforts. Additionally, I conduct hypothesis testing to validate assumptions and guide decision-making, ensuring data-driven strategies for business growth and cost efficiency.

Evelyn Learning System – New Delhi, India

Subject Matter Expert of Statistics & Probability (03/2021 - 3/2022)

- I assist students in solving statistical problems by providing guidance and support. My role involves responding to queries promptly, offering detailed explanations, and ensuring students grasp the underlying principles of statistical techniques.
- By guiding students online, I ensure continuous learning and foster a supportive environment that enhances their understanding and proficiency in statistics.

EDUCATION

M.Sc. Statistics | 2018- 2020

Department of Statistics, Kalyani University, West Bengal

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

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

AREA OF INTEREST

- Sampling Theory and Distribution
- Probability Theory and Distribution
- Anova
- Design of Experiments
- Linear Regression Modelling
- Testing of Hypothesis
- Data Analytics and Visualization

TECHNICAL SKILLS

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

PROJECT & DISSERTATION

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

- **International Conference on Recent Advances in Mathematics, Statistics, and Data Science 2024** held at Adamas University Kolkata West Bengal, India during 27-28 November, **Presented Paper Title:** Estimation Procedure of Population Mean in Two-Phase Sampling Using Coefficient of Skewness, Coefficient of kurtosis, Coefficient of Variation of the Auxiliary Variable.