

DEBARSHI CHAKRABORTY

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EDUCATION

Indian Statistical Institute

*Master Of Statistics - **Percentage** - 71%*

09 2021 – 05 2023

Delhi and Kolkata, India

St.Xavier's College (Autonomous),Kolkata

*Bachelor of Science (Hons) in Statistics - **Percentage** - 77.17%*

07 2017 – 09 2020

Kolkata, West Bengal,India

Ariadaha Kalachand High School

*Class XII - **Percentage** - 89.80% Class X - **Percentage** - 94.47%*

05 2009 – 05 2017

Kolkata, West Bengal,India

PROJECTS

Comparative Study between LDA, QDA, KNN, SVM [↗](#) | Curriculum Project

06,2022

- We focus on the problem of classification.In our coursework we learnt Discriminant Analysis.Going beyond that we studied probably the most simple algorithm K-Nearest Neighbours and a comparatively more mathematically established method Support Vector Machines.Then we tried to understand the advantages and disadvantages of these methods compared among themselves in different scenarios.First we simulated several artificial data and compared how good they are, finally we applied our lesrnings on a real life dataset.
- This was done as a part of our **Multivariate Analysis** coursework in M.Stat 1st Year.
- [Supervisor:Dr.Deepayan Sarkar](#)

A Simulation Study on Kernel Density Estimation [↗](#) | Curriculum Project

05 2022

- Implementing theoritical results of KDE practically in software..
- Co Authors : **Arijit Naskar,Spandan Ghoshal**
- [Supervisor:Dr.Isha Dewan](#)

Analysis of Petrol Consumption Data [↗](#) | Curriculum Project

12 2021

- Model fitting and Regression Diagnostics.
- [Supervisor:Dr.Swagata Nandi](#)

Time Series Analysis [↗](#) | B.Sc Final Year Dissertation

05 2020

- Building a mathematical model for the number of goals scored in UEFA Champions' League
- [Supervisor:Dr.Ayan Chandra](#)

PUBLISHED ARTICLES

A Generalisation of the Banach's Matchbox Problem [↗](#)

01 2019 – 03 2019

Prakarsho(2019),Annual Magazine of Dept of Statistics

St.Xavier's College(Kolkata)

- **An attempt to device a generalised version of the Banach's Matchbox Problem and show an application in the field of Computer Science**
- Co Authors : **Niladri Kal,Sreejit Roy**

RELEVANT COURSEWORK

- **Statistics**
 - Probability Theory
 - Descriptive Statistics
 - Statistical Inference
 - Regression Analysis
 - Multivariate Analysis
 - Large Sample Theory
- **Stochastic Processes**
 - Nonparametric Inference
 - Linear Models
 - Survey Sampling
 - Analysis of Variance
 - Design of Experiments
- **Econometrics**
 - Statistical Genomics
 - Pattern Recognition
 - Statistical Computing
 - Time Series Analysis
 - Bayesian Inference
- **Mathematics**

- Real Analysis
- Linear Algebra
- Calculus
- Advanced Calculus
- Classical Algebra
- Numerical Analysis
- **Programming**
 - Data Analysis Using R
 - Statistical Computing in R
 - Introductory programming in C
- Object Oriented Programming in C++
- Data Analysis Using Minitab
- Web Development in HTML

LANGUAGES AND TECHNICAL SKILLS

- **Languages:** English, Bengali, Hindi
- **Programming Languages:** R,C,C++,Python
- **Softwares:** RStudio, LaTeX, Minitab, MS Excel,Tableau

EXTRACURRICULAR

West Bengal Table Tennis Association

05 2009 – 09 2019

Professional Table Tennis Player

India

- Represented the district North 24 PGS from seasons 2009-2011 and then represented North Kolkata till 2019.
- Bronze Medal in West Bengal State Table Tennis Championship 2019 (Team Event) Youth Boys' category.
- Bronze Medal in West Bengal State Table Tennis Championship 2015 (Team Event) Junior Boys' category.
- Bronze Medal in West Bengal State Table Tennis Championship 2014 (Team Event) Junior Boys' category.
- All certificates attached here. 

Department of Sports,St.Xavier's College,Kolkata

07 2017 – 05 2020

Member of College Table Tennis Team

Kolkata

- Represented the college in different tournaments ,not all are to be mentioned.
- Silver Medal in University of Calcutta Inter College Table Tennis Championship 2019 (Team Event) Boys' category.

Sarbabharatiya Sangeet -O- Sanskriti Parishad

01 2007 – 10 2015

Student of Art

Kolkata

- Received **Shilpa Visharad** degree in 2015.
- Certificates attached here. 