

Aritrabha Majumdar




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🌐 <http://paulpseudoman.github.io>

I am pretty fascinated by the elegance and beauty of Probability and Statistics and their application in numerous fields. My topics of interest include Probability Theory, Stochastic Process.




EDUCATION

- 2023 – Present  **Indian Statistical Institute, Bangalore**
Successfully completed first year of studies.
- 2021 – 2023  **Ramakrishna Mission Vivekananda Vidyamandir, Malda-732101**
Passed WBCHSE with 97%
- 2015 – 2021  **Ramakrishna Mission Vivekananda Vidyamandir, Malda-732101**
Passed WBBSE with 96%




ACHIEVEMENTS

- 2020  Qualified IOQM 2020.
- 2022  Qualified National Science Examination for Chemistry.
- 2023  Qualified JEE Mains with 98.2 Percentile.
 Qualified JEE Advanced.
 Qualified WBJEE with AIR 572.
 Qualified IAT with AIR 469.

EXPERIENCE

-  Attended and successfully completed a course of “Econometric Modelling and Business Analytics” Under Professor Jhareswar Maiti and Dr. Sayak Roychowdhury. The course included basics of Hypothesis Testing, Regression Analysis, ANOVA, ANCOVA, analysis of Auto Colinearity, Multicollinearity, Heteroscedasticity etc.
-  Completed the CS50X and CS50P course (Harvard University and edX). The first one gave a brief introduction to major programming languages, including basics of Data Structure and Algorithm, while the later one focuses more on Python.
-  Attended talk on *Hyperbolicity* by Prof. Indira Chatterji.

SKILLS

- Languages  I have strong reading, writing and speaking competencies for English, Bengali. Besides, I know Hindi, Sanskrit and German.
- Coding  C, Python, R, \LaTeX , OCTAVE/MATLAB
- Other Activities  I am a member of the Cultural Committee at ISI Bangalore. The goal of this committee to organize various cultural events across the year.

SELF STUDIED TOPICS

- Studied Basics of Measure Theory from the book “Measure Theory and Probability Theory” by Krishna B. Athreya and Soumendra N. Lahiri (Specifically studied Chapter 0 through 3) and from the book “Measure and Probability” by S.R Athreya and V.S Sunder (Specifically studied Chapter 1 through 3 and Chapter 5)
- Studied Basics of Markov Chains from the book “Markov Chains and Mixing Times” by David A. Levin and Yuval Peres (specifically Chapter 1, Chapter 2 and Chapter 5)
- Studied Random Walk and Basics of Brownian Motion from the book “Brownian Motion: An Introduction to Stochastic Process” by Rene L. Schilling and Lothar Partzsch.
- Studied Stability Analysis of Ordinary Differential Equations from the book “Differential Equation and Dynamical Systems” by Lawrence Perko and “Differential Equations, Dynamical Systems, and Linear Algebra” by Morris W. Hirsch and Stephen Smale.
- Studied basics of Projective Geometry, Perspective Drawing and Geometry of Vision from the book “Perspective and Projective Geometry” by Annalisa Crannell, Marc Frantz, Fumiko Futamura.