Aritrabha Majumdar

Student at Indian Statistical Institute, Bangalore

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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 semester 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 Quallified 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 Tasting, Regression Analysis, ANOVA, ANCOVA, analysis of Auto Colinearity, Multicolinearity, Heteroscedasticity etc.
- Completed the CS50X and CS50P course (Havard 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.

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 Moment Generating Function, Law of Large Numbers and Basics of Abstract Probability from the book "Introduction to Mathematical Statistics" by S.C Gupta and V.K Kapoor.
- Studied Random Walk and Basics of Brownian Motion form 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.