

Sai Goutham Pydi

Curriculum Vitae

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Education

- 2023 **M.S. in Mathematics and Statistics**, *Indian Institute of Science Education and Research*, Kolkata, West Bengal
GPA: 7.06
Relevant Coursework: Introduction to Economics, Applied Micro-Econometrics, Time Series Analysis
Activities: Badminton Club and Chess Club
- 2023 **B.S. in Mathematics and Statistics**, *Indian Institute of Science Education and Research*, Kolkata, West Bengal
GPA: 7.06
Relevant Coursework: Probability and Statistics, Linear Algebra, Number Theory
Activities: Ek Pehal and Rubik's Cube Club

Experience

- Aug 2023 – **Research Associate**, Remote
Present Under Prof. Pranab Kumar Das Worked with on data analysis projects
We have a working paper as a result of our collaboration,
Leveraged knowledge in R,Quantmod,Python, Excel
- Jan 2024 – **Community Teaching Assistant**, Remote
Present For the Economics Forum Econschool on Piazza
Leveraged knowledge in \LaTeX , Mathcha and Excel
- Jan 2023-May 2023 **Teaching Assistant**, *for the course of Introduction to Economics*, IISER Kolkata
The course was taken by Prof. Tushar Kumar Nandi
Leveraged knowledge in \LaTeX and Excel

Projects

- Aug 2022 – **Master thesis in Economics**
May 2023 Year long project under Prof. Pranab Kumar Das
Understanding the Volatilities of interest rates of Government Securities vis-a-vis Stock Returns of Major Stock Indices of India-A Comparative Study
Utilized: R,Python, Microsoft Excel, \LaTeX , Beamer
- Jan 2023-May 2023 **Term paper on Risk Modelling**
Studying the Volatility of Monthly Returns of S&P BSE SENSEX using GARCH Time Series models
Utilized: R, Microsoft Excel, \LaTeX , Beamer
- Jan 2023-May 2023 **Data Analysis using R**
It was done as part of the coursework for the course of Research Methodology
Utilized: R, Beamer, \LaTeX
- Aug 2022-Dec 2022 **Econometric Modelling using Public Labour Force Survey Data**
Used General Linear regression model and Logistic Regression to find interesting causal relationships between various variables in the survey data
Utilized: R, R Markdown, Microsoft Excel

Skills

- Languages Proficient: R,Python, \LaTeX , Beamer
Familiar: Matlab, HTML/CSS
- Technologies Proficient: Quantmod, Matplotlib, Pandas, NumPy
Familiar: Photoshop, Illustrator