



# PRIYANKAR SAMANTA

M.Sc. in Statistics  
University of Calcutta  
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Priyankar Samanta

## EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
M.Sc. in Statistics	University of Calcutta	6.9 (1st & 2nd semester)	2023-Present
B.Sc. in Statistics	RKM Residential College(Autonomous)	9.78	2020-2023
Higher Secondary	Nimpith Ramkrishna Vidyabhavan	96	2020
Secondary	Babupur Agricultural High School	91.43	2018

## PROJECTS

- **Covid-19 Data Analysis** Aug 2024 - Sep 2024  
Tools: R, EXCEL
  - Conduct **hypothesis testing(t-test)** to test whether older people are likely to die than younger ones. Also test whether gender has any effect on dying.
  - Worked on **logistic regression** considering death as response and features are gender, recovery and age. Remove insignificant features using backward elimination technique.
  - Performed **detection of multicollinearity**.
  - Accuracy of the model achieved is 0.939.
- **Spotify Data Analysis** Sep 2024 - Oct 2024  
Tools: R, EXCEL
  - Worked on **Multiple linear regression** to predict popularity of an artist based on danceability, loudness, energy, instrumentality etc.
  - Check for the assumptions normality of errors, homoscedasticity and independence.
  - Performed **Outlier detection, detection of multicollinearity, autocorrelation & heteroscedasticity**.
  - Refit the model after removing outliers to get a improved Adjusted  $R^2$ .
- **A Comparison Between Two Methods of Estimating Population Proportions** Jan 2023-May 2023  
Guide: Prof. Subhadeep Banerjee, RKMRC Narendrapur
  - A compulsory individual project during final year of B.Sc. in Statistics.
  - Used famous Warner's randomized model to get more credible estimate.
  - Compared the results with the conventional estimation methods using non-randomized response technique (direct sampling).

## ONLINE INTERNSHIP

- **Data Science intern at Prodigy Infotech** Oct 2024 - Nov 2024  
Tools: R, EXCEL
  - Data visualisation using bar chart and histogram.
  - Exploratory data analysis on titanic dataset and identifying relationship between variables.
  - Analyse and visualise the sentiment patterns in social media data to identify public opinion and attitude towards specific topics and brands.
  - Analyse traffic accident data to identify patterns related to road conditions, weather and time of the day.

## SKILLS & INTERESTS

- **Programming Languages:** R
- **Tools:** LaTeX(Basics), MS Word, MS Excel, MS PowerPoint
- **Libraries:** dplyr, rpart, MASS, caret
- **Interests:** Data Analysis, Data Visualisation, Analytical Thinking, Problem Solving, Regression
- **Languages:** English, Hindi, Bengali

## COURSES UNDERTAKEN

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Real Analysis,Probability Theory,Linear Models & Regression Analysis,Statistical Inference,Sample Surveys & Design of Experiments,Large Sample Theory,Non-Parametric Inference,Applied Bayesian Methods & Semiparametric Methods,Linear Algebra, ANOVA,ANCOVA,Sampling Distributions,Multivariate Analysis,R Programming.

## SCHOLASTIC ACHIEVEMENTS

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- **AIR 104** in GATE Statistics 2025 *2025*
- Secured **20th rank** in Higher Secondary Examination conducted by WBCHSE *2020*
- Awarded **INSPIRE Scholarship** at Dept.of Science & Technology by Govt.of India *2020-Present*

## POSITIONS OF RESPONSIBILITY & EXTRACURRICULAR ACTIVITY

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- **Volunteer at National Service Scheme(NSS)**,Ramakrishna Mission Residential College *2020-2023*
- **Coordinated the academic fest**,Inferencia,presented by Dept.of Statistics,RKMRC Narendrapur *Apr 2023*