

PRIYAJIT BISHAYEE

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📍 Mumbai, India

Education Background

- **BSc Statistics (2011-2014)**
St. Xavier's College (University of Calcutta)
- **MSc Statistics (2014-2016)**
IIT Kanpur

Skills

- Experience in Credit Risk, Operational Risk and Compliance Risk.
- Model Development exposure of Retail portfolios for PD, EAD and LGD models abiding by CCAR, CECL, IFRS9 and ICAAP regulatory standards, SR 11-7 guidelines and BASEL End Game proposals.
- Strong experience in statistical modelling using linear regression, logistic regression, spline regression, GLMs. Familiarity with Machine learning techniques like CART, CHAID, Random Forest, SVM, Gradient Boosting, PCA and Cluster analysis.
- Programming languages: R, Python, SAS
- Other software: Latex, MS Excel, MS Word

Accomplishments

- Multiple GOLD AWARD winner in Bank of America for significant contribution in Credit and Operational Risk field, content development and training deliverance in advance ML topics as part of talent development program and knowledge sharing sessions
- GOLD AWARD and SILVER AWARD winner in consecutive years for delivering exemplary projects, bringing innovative ideas and MRA remediation
- Recognition from the senior leadership for being the youngster of the year in TCS Analytics & Insights team.
- Secured AIR of 41 in JAM (Joint admission test) for admission in IIT in 2014
- Secured State rank of 8 in Secondary Examination under West Bengal Board of Secondary Examination
- Achieved DST - INSPIRE SCHOLARSHIP FOR HIGHER EDUCATION, GOVT. of INDIA, based on Higher-secondary examination performance

Professional Experience

Associate Vice President, Bank of America
Mumbai, India

June 2021-Current

Model Risk Management: Credit Risk (Wholesale Scorecard), Operational Risk, Compliance Risk

- Validation of Commercial Risk Rating scorecard of total utilized exposure \$10 BN for energy sector involving review of model estimation, points allocation, hybrid/PIT rating creation and testing in SAS.
- Wholesale Basel Capital Model validation involving PD, EAD and LGD component and implementation testing in SAS. Model risk finding based on shifting of obligor risk ratings led to changes in the construction of some risk drivers.
- Operational Risk Basel Capital Model Validation covering all business lines of the bank. Modelling techniques include selection of heavy-tailed severity distribution, fitting loss frequency distribution, aggregation using Monte-Carlo simulation and t-copula dependency modelling in R. The review involved remediation of MRAs and FRB lifted off \$30 BN RWA from the mortgage portfolio based on validation outcome.
- Operational Risk Stress Testing Model validation producing CCAR severely adverse and base scenario reserve of operational losses at bank level. Modelling techniques are based on Linear Regression and MARS. MRM independent testing in R/Python resulted in changes in model parameters and \$300M impact on CCAR reserve.
- Technology and Compliance Risk: Machine Learning and AI based Model Validation involving techniques like Logistic regression, Gradient Boosting, RNN and different clustering algorithms.
- Key responsibilities include conducting technical interviews for team expansion, stakeholder management, organizing new hire trainings, knowledge sharing sessions and team engagement activities, mentoring junior team members and supervision of consultants

Assistant Manager, Citicorp
Bengaluru, India

August 2018 - June 2021

Model Development: Credit Risk, Retail Loss Forecasting

- CCAR Account Level Survival model development in SAS involving techniques like logistic regression for PD, Discrete time survival model for survival probability, decision tree for EAD and cohort-based recovery model.
- Econometric Model development based on age-spline regression and fractional logistic regression.
- Net Flow rate model development depending on balance flows in different delinquency buckets.
- CECL model development based on principal balance pay-down and payment rate assumption approach. IFRS9 model development of Global Simplified approach to calculate stage-wise ECL.
- Weighted Average Life (WAL) estimation for CCAR-Y14Q reporting forms of loans for multiple APAC and EMEA portfolios.
- Key responsibilities include different enhancement proposals to improve the model monitoring process, resolving MRM and audit concerns, MRA/MRIA remediation and mentoring interns.

Data Scientist, Tata Consultancy Services
Bengaluru, India

September 2016 - August 2018

- An automotive manufacturing company was interested to understand social listening of customer's perception on Electric Vehicles. Support Vector Machine and Random Forest were used.
- Project for a global giant in aircraft manufacturing with the objective of predicting the aircraft bleed valve failure and identifying significant variables and patterns. Predictive Maintenance techniques (Random Forest, Gradient Boosting) were used to identify significant variables.

Internship, State Bank of India
Kolkata, India

May 2015 - July 2015

- Project on observing the sustainability of Financial Inclusion Model, as implemented by State Bank of India in West Bengal