Harshal Tilawane

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Experience

Krishi Vigyan Kendra (KVK), Jalgaon, Statistician Intern   *26 May - 28 June 2024*
- ○ Collected trainee and weather data; performed time series **forecasting** using **R**.
- ○ Conducted trainee feedback collection, improving training programs.
- ○ Analyzed workflows, suggesting improvements in **data management** practices.

Education

Master's in Statistics
KBCNUMU, Jalgaon   *2023–2025*
Specialization: Industrial Statistics

Bachelor's in Statistics
M.J.College, Jalgaon   *2020–2023*
Strong foundation in statistical principles (CGPA: 8.8)

Skills

Data Analysis Tools: Excel, SAS, Tableau, Power BI, SPSS, MiniTab

Programming: Python, R, SQL, C

Machine Learning: Linear Regression, Time Series, Decision Trees, Clustering

Certifications

NPTEL: Data Analysis with Python

Udemy: MySQL for Data Analysis and Business Intelligence

Projects

Quantile Regression: Developed and applied Quantile Regression to analyze datasets with outliers and heteroscedasticity, outperforming Linear Regression in robustness and interpretability. Validated models on real-world cases like income prediction and student performance. **Tools: R, SAS, Regression.**

Time Series Modeling & Forecasting: Developed a time series model to predict maximum temperatures using weather data. Conducted comprehensive data collection, analysis, and visualization using R and Excel. Implemented ARIMA modeling techniques to achieve high-accuracy forecasts, providing valuable insights for weather prediction and planning. **Tools: R, Excel, ARIMA modeling.**

Loan E-Sign Prediction Model: Developed a predictive model to identify high-quality loan applicants likely to complete the e-sign process, achieving **64% accuracy**, and optimized onboarding strategies to enhance conversion rates and maximize profits.

Tools : Python, Predictive Modeling

References

Dr. Kirtee K. Kamalja: Professor of Statistics, KBCNUMU, Jalgaon
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Prof. Manoj C. Patil: Professor of Statistics, KBCNUMU, Jalgaon
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