

Patil Kalyani Purushottam

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Objective

As a Data Analyst, I am seeking a position that allows me to leverage my strong background in statistical analysis, data manipulation, and advanced analytics tools to provide actionable insights and data-driven decisions that contribute to business optimization.

Education

M.Sc. in Statistics

2023–25

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

CGPA: 7.75

B.Sc. in Statistics

2020–23

Moolji Jaitha College, Jalgaon

CGPA: 8.98

Related Coursework

Data Analysis and Visualization, Regression Analysis, Time Series Analysis, Sampling Theory, Multivariate Analysis, Statistical Computing, Advanced R Programming, Python for Data Science, Statistical Modelling, Database Management, Data Mining, Business Analytics, Linear Models, Machine Learning Fundamentals.

Internship

On-Job Training: District Statistical Office, Jalgaon

May–June 2024

Contributed to the collection, analysis, and reporting of district-level data. Assisted in the design and optimization of reporting dashboards, data visualization, and statistical models to improve data-driven decision-making.

Projects

- **A Statistical Analysis of Global Airplane Crashes** Jan - May 2025
Tools & Techniques: ARIMA, K-Means, Bayesian Inference, Survival Analysis, R
Summary: Analyzed global airplane crash data (1908–2009) to identify patterns, estimate risk factors, and predict future trends in aviation safety, contributing to operational decision-making.
- **To Study the Lindley Distribution with Applications** July – Dec 2024
Tools & Techniques: Maximum Likelihood Estimation (MLE), Reliability Modeling, Survival Analysis
Summary: Applied MLE to model the Lindley distribution for reliability analysis in industrial settings, and used statistical techniques to analyze large data sets for pattern recognition.
- **Trends of Rainfall Patterns in Nashik Division** 2022–23
Tools & Techniques: Time Series Analysis, Regression, Kolmogorov-Smirnov Test
Summary: Analyzed rainfall data (1981–2021) for Jalgaon and Nashik Division to identify seasonal variations and trends, providing insights for agricultural and environmental planning.

Certifications

- Data Analytics with Python, NPTEL Jan–Apr 2024

Skills

- **Software:** Excel, Adv Excel, Python (NumPy, SciPy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow), R (ggplot2, dplyr, tidyr, caret, shiny), Minitab, SAS, SQL, SPSS, Tableau, Power BI
- **Soft Skills:** Problem Solving, Teamwork, Adaptability, Communication, Leadership, Data Visualization, Business Intelligence