YOGESH YUVRAJ PATIL

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MSc Statistics student with a strong foundation in statistical analysis, data modeling, and visualization. Proficient in Python, R, SQL, and Power BI, with a passion for extracting meaningful insights and driving data informed decisions. Seeking opportunities to apply advanced statistical methodologies and tools to solve complex problems and deliver impactful results in research, business, or technology domains.

TECHNICAL SKILLS

- **Statistical Skills:** Probability Distributions, Hypothesis Testing, Statistical Inference, Regression Analysis, Exploratory Data Analysis (EDA), Time Series Analysis, Statistical Modeling, Machine Learning, Stochastic Processes, Clinical Trials
- **Programming Languages & Softwares:** Python, R, SQL, C, Matlab, Minitab, Excel, BASE SAS, SPSS, Power BI
- **Packages & Libraries:** Python (numpy, pandas, scipy, scikit-learn, matplotlib, seaborn, statsmodels), R (tidyr, dplyr, ggplot2, plotly, data.table)

EDUCATION

Master of Science in Statistics — Pursuing
Kaviyatri Bahinabai Chaudhari North Maharashtra University, Jalgaon — Aug 2023 - June 2025
Bachelor of Science in Statistics — **CGPA: 8.1**
Moolji Jaitha College, Jalgaon — Aug 2020 - June 2023
HSC — **Percentage: 60.77**
Parvatabai Madhyamik Vidyalay Khedi bk, Jalgaon — Apr-2020

AREA OF INTEREST

•Data Analysis and Visualization •Statistical Modeling •Business Intelligence •Machine Learning •Data-Driven Decision Making

EXPERIENCE

Krishi Vigyan Kendra, Jalgaon | Internship — Jalgaon | May 2024 - June 2024

- Analyzed agricultural datasets of cotton crops for **Insecticide Resistance Management (IRM)** practices. Applied **Hypothesis Testing** and **Exploratory Data Analysis** in Python to derive actionable insights. Integrated statistical methods to enhance understanding and optimize IRM practices.

PROJECTS

Study of Environmental Pollution in Jalgaon City — Jan 2023 - May 2023

- Conducted an in-depth analysis of pollution data using JMC datasets. Utilized **Water Quality Index (WQI)**, **Air Quality Index (AQI)**, **correlation analysis**, **Exploratory Data Analysis (EDA)**, and **ANOVA** to provide actionable recommendations for pollution reduction strategies.

Survival Analysis on Spousal Mortality — Aug 2024 – Dec 2024

- Collected primary data on spousal mortality from nearby individuals.
- Implemented survival analysis techniques such as Kaplan-Meier estimator and Cox proportional hazards model.
- Analyzed the impact of one partner's death on the survival time of the other.
  Conclusion: We concluded that the death of one partner significantly affects the survival time of the remaining partner, with a more pronounced impact on husbands compared to wives.

CERTIFICATION

- Data Analytics with Python - **NPTEL** — 2024
- Machine Learning, NLP Bootcamp, MLOps & Deployment - **Udemy** — 2024

REFERENCES

Prof. Kirtee K. Kamalja, Professor and Head, Department of Statistics, KBC NMU, Jalgaon
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Dr. Rohan D. Koshti, Assistant Professor, Department of Statistics, KBC NMU, Jalgaon
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