

YOGESH YUVRAJ PATIL

+91 93097 60457

yogpatil1703@gmail.com

LinkedIn

GitHub

Pune

Profile Summary

Entry-level professional with a Master's in Statistics and hands-on experience in data analysis, visualization, and reporting. Proficient in tools such as Python, R, SQL, Excel, and Power BI for exploratory data analysis, statistical modeling, and interactive dashboard creation. Strong analytical mindset with the ability to extract actionable insights from large datasets to support business decisions and data-driven strategies. Eager to contribute to dynamic teams and grow in the data domain.

Education

Master of Science in Statistics

KBC North Maharashtra University, Jalgaon

CGPA: 6.77

Aug 2023 - June 2025

Relevant Coursework: Regression, Data Mining, Multivariate Analysis, Time Series, Stochastic Processes, Clinical Trials, Design of Experiment

Bachelor of Science in Statistics

Moolji Jaitha College, Jalgaon

CGPA: 8.1

Aug 2020 - June 2023

Technical Skills

Programming: Python, R, SAS, SQL, C, MATLAB, SPSS, VBA

Libraries: NumPy, Pandas, SciPy, Scikit-learn, Matplotlib, Seaborn, PyTorch, tidy, dplyr, ggplot2, plotly, data.table

ML Techniques: Regression, Classification, Clustering, Time Series, PCA, ANN, CNN

Visualization: Tableau, Power BI, Excel (Advanced)

Tools: Jupyter, GitHub, VS Code

Experience

Statistical Intern – Krishi Vigyan Kendra (KVK), Jalgaon

May 2024 – June 2024

- Analyzed cotton yield and profitability under IRM and non-IRM practices using hypothesis testing, exploratory data analysis (EDA), and multivariate statistical techniques.
- Conducted pest incidence studies (e.g., Jassid population) across heavy and medium soil types using ANOVA.
- Assisted in the design and analysis of field experiments to evaluate Integrated Pest Management (IPM) strategies.
- Developed an interactive Power BI dashboard to visualize cotton yield, pest incidence, soil type impact, and profitability using slicers, bar charts, scatter plots, and KPI cards.
- Utilized Python and R for data cleaning, statistical reporting, and integration with visualization tools.

Projects

Comparative Study of Various Architectures of Deep Learning for Image Data

Jan 2025 – May 2025

- Conducted a comparative analysis of YOLOv5, GoogLeNet, and Faster R-CNN using the PASCAL VOC 2012 dataset.
- Implemented models in **PyTorch** to benchmark performance on object detection metrics.
- Evaluated results using metrics like mAP (mean Average Precision), inference time, and detection accuracy.

Survival Analysis on Spousal Mortality |

Aug 2024 – Dec 2024

- Collected primary data on spousal mortality and applied survival analysis methods (Kaplan-Meier, Cox model).
- Found that one partner's death significantly reduces the survival time of the other, especially husbands.
- Used Python (lifelines, matplotlib), R (survival), SAS, and Excel.

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.
- Tools: R, Excel

Certifications

- Data Analytics with Python - **NPTEL**, Score: 79%

2024

Seminar

Longitudinal Data Analysis in Clinical Trials

Mar 2025

Presented an academic seminar focusing on repeated measures models and mixed-effects models for analyzing longitudinal data in clinical trials using SAS.