HARSHAL BALKRUSHNA MARATHE

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OBJECTIVE

Detail-oriented and highly motivated Statistics graduate with a strong foundation in data analysis, programming, and statistical modeling. Eager to leverage academic training and practical experience to contribute effectively to projects requiring advanced statistical analysis and insights. Passionate about utilizing data driven approaches to solve complex problems and drive organizational growth.

EDUCATION

M.Sc. Statistics,   Pursuing
KBC North Maharashtra University,Jalgaon   *Jul. 2023 – ····*
  - Sampling techniques, Regression Analysis, Data mining, Multivariate Analysis,Clinical trials,
    Design of Experiment, Probability Theory, Statistical Inference, Time Series, Stochastic Processes

B.Sc. Statistics,   **CGPA 9.54**
Moolji Jaitha College,Jalgaon   *July. 2020 – May 2023*
  - Statistical Process Control, Official Statistics, Distribution theory, Clinical trials, Sampling

H.S.C   **Percentage: 73.38%**
Moolji Jaitha College,Jalgaon   *July. 2018 – Apr 2020*

EXPERIENCE

Intern   May 2024 – Jun 2024
Chief Executive Office, Zilla Parishad, Jalgaon
  - Worked under the supervision of **Mr. Ankit, IAS**, Chief Executive Officer, and analyzed the Result Framework Document of the Zilla Parishad, Jalgaon.
  - "I conducted a comprehensive data analysis using Excel and created visualizations using *Python's Matplotlib, R's ggplot, and Plotly*. These visualizations were instrumental in identifying trends and insights, which allowed me to propose actionable solutions aimed at achieving our yearly targets.".

PROJECTS

Natural Language Processing | *Python- NLTK, spaCy, sklearn*   Jul 2024 – ····
  * I developed a robust NLP pipeline that incorporated text preprocessing and feature engineering using statistical methods. I successfully transformed unstructured text data into numerical representations for subsequent modeling. Additionally, developed classifiers for sentiment analysis using the Naive Bayes model and applied them to the task of text categorization.
  * further work is in progress

100 Statistical Tests using Python | *Python- SciPy, Statsmodels, and NumPy*   Oct 2023 – Jan 2024
  * Conducted 100 statistical tests using Python, applying various libraries such as SciPy, Statsmodels, and NumPy. The project involved selecting appropriate tests based on data types and research questions, executing the tests, and interpreting the results.

Online Payment Method Survey | *R, Minitab, SPSS, EXCEL*   Nov 2022 – Apr 2023
  * Conducted a survey among students and teachers of M.J College using questionnaires to assess preferences for online payment methods.
  * Analyzed survey data using statistical software such as Minitab, Excel and R to determine the most effective and secure online payment method.Presented findings and recommendations based on analysis.

CERTIFICATION

Data Analytics in Python   **Score: 83%**
NPTEL Online Certification   *Jan-Apr 2024*

Introduction to Artificial Intelligence (AI)
IBM & Coursera   *May 2024*

TECHNICAL SKILLS

Languages: Python, C/C++, SQL, R, Base SAS, Matlab, Minitab, SPSS,
Statistical Skills: Hypothesis Testing, Regression Analysis, Probability Distributions, Inferential Statistics, Statistical Modeling, Exploratory Data Analysis (EDA), Machine Learning (Regression & Classification techniques)
Libraries: Python: (pandas, NumPy, Matplotlib, NLTK & spaCy , scipy, seaborn, scikit-learn) R: (ggplot, Plotly, tidyr, dplyr)
Soft Skills: Leadership, Communication, Persuasion .