Kalpesh Dhanraj Tele

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A Data Science devotee backed up with a Statistics PG degree. An enthusiastic learner with an organized outlook, diving deep into theory and practical aspects of Machine Learning, Forecasting, Data Science and Analytics. Looking forward to working in the relevant domain.

Experience

Intern   **26 May- 28 Jun 2024**
District Statistical Office, Jalgaon

- Studied the Annual Credit Plan of Jalgaon District with Bank-wise and Block-wise Target and Achievement of sectors and sub-sectors.

- Identified the factors that affect credit disbursement.

- Calculated Credit to Deposits Ratio for each bank in the district and compiled a summary report.

- Produced visualizations that effectively communicate complex sets of data points.

Education

Master of Science in Statistics   **2023-25**
Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon   **Upto Sem-III CGPA:** 7.91/10
Bachelor of Science in Statistics   **2020-23**
Moolji Jaitha College, Jalgaon   **CGPA:** 8.18/10

Technical Skills

Probability Distributions, Hypothesis Testing, Regression Analysis, Bayesian Inference, Data Mining, Exploratory Data Analysis (EDA), Time Series Analysis, Data/Statistical Modeling, Machine Learning,
Software: Python, R, SQL, C, MS Excel, BASE SAS.
Packages: Tidyverse Ecosystem, Plotly, Seaborn, Matplotlib, NumPy, Pandas, Scipy, Scikit-learn, Statsmodels

Courses

Python for Data Science and Machine Learning Bootcamp — Udemy
Certification of Completion: Python (Core and OOPs) and C Language — Info Planet

Projects

Gender Inequality in Politics (Lok Sabha and State Legislative Assembly)

- Analyzed gender representation in the Lok Sabha and various State Legislative Assemblies across India.

- Used statistical methods to compare the proportion of male and female candidates, winners, and seat distributions over multiple election years.

- Visualized data through graphs and charts to highlight trends and disparities.

Bayesian Linear Regression: A Probabilistic Approach of Linear Regression

- Developed and implemented Bayesian Linear Regression models, leveraging conjugate and non-conjugate priors, to analyze both simulated and real - world datasets and conduct the model validation using techniques like posterior predictive checks, Bayesian R-squared and cross-validdation.

- Applied the models to real - life data scenarios, enhanced by interactive visualizations and statistical software (R, brms, rstanarm).

Reference

Dr. Rohan D. Koshti
Assistant Professor, KBC North Maharashtra University, Jalgaon
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