SYED MUSTARI SHAMSI

Aspring data professional

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SUMMARY

I am an aspiring data professional with a strong foundation in Statistics and a passion for using data to solve complex problems in healthcare, IT, and government research. My technical toolkit includes R, Python, SPSS, and C/C++. I'm eager to contribute to meaningful projects that blend technology, public value, and scientific rigor

PROJECTS

Student Expenditure Analysis

Student Expenditure Analysis Using R and Python

- Analyzed student expenditure patterns from survey data, focusing on spending categories like food, housing, and transportation
- Used Python (Pandas, Matplotlib) for data preprocessing and visualization, and R (dplyr, ggplot2) for statistical analysis and predictive modeling
- Developed a predictive model with an R^2 of 0.82 to estimate monthly expenditure
- Identified major cost drivers, such as accommodation and tuition
- Presented actionable insights through visualizations to aid financial planning

COVID-19 Medication Consumption Analysis

Paracetamol and Thyronorm Tablet Consumption During COVID-19

- Analyzed survey data to assess the impact of paracetamol and Thyronorm consumption during the COVID-19 pandemic, examining correlations with age, gender, and region
- Applied Chi-Square distribution to test for significant associations between medication consumption and demographic factors
- Identified a significant increase in paracetamol consumption among younger age groups (p-value < 0.05), while Thyronorm consumption showed no significant demographic correlation
- Visualized data trends and provided insights into medication usage patterns during the pandemic
- Utilized R for statistical analysis, Excel for data management, and SPSS for hypothesis testing

EDUCATION

Mcs : Statistics

A.U College of science and technology

📅 11/2022 - 06/2024 📍 Visakhapatnam

B.sc: Maths, Statistics, Actuarial science

Pitapuram Raja Government College

📅 06/2019 - 05/2022 📍 Kakinada

SKILLS

Problem Solving Critical Thinking

Attention to Detail

Data visualization &Communication

Time Management Adaptability & Quick learning

Collaboration and Team Work

Report Writing & Documentation

Data Analysis & Modelling

Data Visualization Statistical Software (R,python, SPSS,C/C++)

Machine learning Algorithms (Cluster & Classification)

Statistical Testing & Inference

KEY ACHIEVEMENTS

⭐ **3rd Prize - PowerPoint Presentation on Sustainable Development Goals**

Awarded 3rd prize in a competition for a PowerPoint presentation on Sustainable Development Goals (SDGs), where I focused on raising awareness about the importance of environmental sustainability, poverty eradication, and quality education

LANGUAGES

English
Proficient ●●●●○

Hindi
Proficient ●●●●○

Urdu
Native ●●●●●