OMKAR PATIL

TURNING DATA INTO ACTIONABLE INSIGHTS TO DRIVE INFORMED DECISIONS.

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SUMMARY

Detail-oriented Data Analyst with a Master's in Applied Statistics and expertise in SPSS, R, Python, MySQL, Power BI, Advanced Excel, and Minitab. Proficient in data scraping, cleaning, and processing to deliver actionable insights. Skilled in building data pipelines, creating dashboards, and streamlining workflows to support informed decision-making and drive business growth.

WORK EXPERIENCE

Assistant Data Manager, **Kharghar, Mumbai**
Tata Memorial **Jan 2025 - Present**

- Analysis for a project focused on controlling common cancers among women in North and North-East India.
- Manage data processing using Advanced Excel, S3 buckets, Putty, Dragen Linux, and WinSCP.
- Perform FastQC for quality checks, and generate FastQ and VCF files.
- Support genomic data analysis and collaborate with project teams to ensure smooth operations.

Data Analyst, **Sangli, Maharashtra**
Digihub Media Managers **Jun 2024 - Nov 2024**

- Skills: Advanced Excel, SPSS, SQL, statistical analysis.
- Data Sources: Primary data, social media, field team, calling team data.
- Responsibilities:
  1. Analyze data for decision-making. 2. Create reports and Visualization.
  3. Manage and handle diverse datasets.

Data Processing Intern, **Ahmedabad, Gujarat**
Ministry of Statistics and Programme Implementation **Jun 2023 - Aug 2023**

- Processed and validated data from All India Survey and Enterprise Survey (2022-23) with precision, ensuring data accuracy and integrity.
- Analyzed datasets using SPSS, R, and Python, delivering insights within strict deadlines.
- Created reports, dashboards, and visualizations to support data-driven decision-making.

EDUCATION

Master of Science in Applied Statistics **July 2022 - April 2024**
Sardar Patel University, Anand, Gujarat.
GPA – 7.64

Bachelor of Science in Statistics **July 2019 - April 2022**
Sadguru Gadage Maharaj College, Karad, Maharashtra.
CGPA – 8.33

SEMINAR

Goodness Of Fit Criterion :

- Proficient in employing various goodness of fit criteria to assess the adequacy of statistical models and ensure accurate representation of data.

Factor Analysis:

- Utilized Factor Analysis to identify underlying patterns and relationships within complex datasets, enhancing data-driven decision-making processes.

Chow Test:

- Implemented Chow Test to assess structural changes in econometric models, enhancing predictive accuracy and understanding of dynamic relationships.

PROJECT DETAILS

Analysis of Water, Sanitization, Garbage System of Gujarat (Primary Data) at MoSPI
- Conducted a comprehensive analysis of water and sanitation in Gujarat, covering urban and rural areas.
- Utilized robust methodologies and collaborated with stakeholders to assess water quality and accessibility.
- Evaluated impacts of human activities on water sources and identified sanitation infrastructure deficiencies.
- Proposed solutions for improving sanitation and ensuring better public health outcomes.

Analysis of Prevalence and Development of Chronic Diseases in India by using Data from NFHS
- Used K-means clustering to identify disease clusters across Indian states.
- Conducted logistic regression to analyze factors impacting chronic diseases.
- Applied chi-square tests for health indicator correlations.
- Evaluated tuberculosis growth rates for epidemiological insights.

Impact of S.T. Workers Strike on Society as well as on Economy of S.T. Mahamandal. (Primary Data)
- Experienced in identifying socioeconomic challenges through data analysis.
- Uncovered trends, such as 48% of students facing money and time management issues.
- Proficient in translating complex findings into actionable recommendations.
- Demonstrated impact with 76% stakeholder support for MSRTC governance oversight.

ADDITIONAL INFORMATION

- Sample Size calculation.
- Various parametric and non-parametric tests like : t-test, ANOVA, Chi-square test etc.
- Conclusion & interpretation of Statistical results.
- Basic Phases of Clinical Trials.
- Types of Data, Descriptive Statistics, Normal Distribution, Hypothesis Testing, Type-I error, Type-II error, P-value, Confidence Interval, macros, lookups, Pivot.
- sample size study, BA/BE.

SKILLS

- **Tools/Software:** Advance Excel & Google Sheet, SPSS, Minitab
- **Visualization Tools:** Power BI
- **Databases** : SQL
- **Languages** : Python , R, Linux
- **Hard Skills** : Project Management, Team Leadership, Processing Large Data Sets, Statistical Analysis & Computing, Data Collection, Attention To Detail, Survival Analysis, Biostatistics, Clinical Analysis, Machine Learning, Time Management.
- **Extra-Curricular Activity**: National Service Scheme (NSS) (Team Leader)
- **Certifications:** Machine Learning with Python, Data Visualization with Power BI.

DECLARATION & DOCUMENTS LINKS

I hereby declare that the above information is accurate and true to the best of my knowledge. A QR code linking to my projects, seminars, certifications, and qualifications mentioned in my resume is provided alongside for reference.