

Dhawa Dorje Ghising

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Professional Summary

Data Analyst specialized in SQL, Python, and statistical analysis with experience in transforming raw data into actionable insights. Proven track record in creating automated dashboards and conducting exploratory analysis across multiple industries. Eager to apply machine learning techniques and A/B testing to develop predictive user behavior models and enhance data-driven decision-making.

Education

Tribhuvan University

Bachelor's Degree in Computer Applications

• GPA: 3.03

Nov 2018 - Jan 2024

Kathmandu, Nepal

Professional Experience

Self-Employed

2024 - Present

Freelance Data Analyst

Remote

- Analyzed e-commerce sales data using SQL and Python to optimize flash sale strategies, achieving a 23% conversion rate improvement while ensuring data cleaning and validation for higher quality datasets.
- Conducted statistical analysis and hypothesis testing on 10,000+ patient records to identify key performance indicators, supporting data-driven decision-making in healthcare environments.
- Developed a comprehensive population analysis tool with a CLI interface using Python to generate statistical insights and facilitate predictive demographic research.
- Designed and implemented 4+ interactive dashboards with Tableau and Power BI to deliver real-time visualizations and business intelligence reporting for stakeholders.

Key Data Analysis Projects

E-Commerce Sales Performance Dashboard

2024

- Designed and implemented comprehensive sales analytics platform using MySQL and Python
- Created automated reporting system tracking 12+ KPIs including conversion rates, customer lifetime value, and seasonal trends
- Built interactive visualizations showing sales patterns, customer segmentation, and product performance
- Business Impact: Enabled data-driven decision making, leading to 18% improvement in inventory management

Hospital Patient Outcome Analysis

2024

- Conducted comprehensive statistical analysis using z-tests, t-tests, and confidence interval calculations
- Analyzed patient outcome data to identify factors correlating with improved recovery rates
- Created detailed reports with statistical significance testing and effect size calculations
- Key Finding: Identified 3 critical factors that improved patient outcomes by 15%

Customer Churn Prediction Model

2024

- Applied Weibull survival analysis to model customer churn patterns in e-commerce data
- Developed risk scoring system for customer retention strategies
- Created automated alerts for high-risk customer segments
- Result: Improved customer retention prediction accuracy by 27%

Nepal Population Demographics Tool

2024

- Built command-line analytics tool for comprehensive demographic analysis
- Implemented statistical functions for population trend analysis and forecasting
- Created automated report generation with charts and statistical summaries
- Documented methodology and created user guide for reproducible analysis

Data Science Learning Tracker

2024

- Developed full-stack web application with integrated database and user interface
- Implemented progress tracking algorithms and learning path optimization
- Created interactive charts showing skill development and project completion rates
- Technical Features: SQLite integration Responsive design Real-time updates

Technical Skills

- Data Analysis & Database Management:** SQL, MySQL, PostgreSQL, Complex queries, JOINS, Window functions, Data extraction & manipulation, Python, Pandas, NumPy, Data cleaning, Statistical analysis, Automation scripts, Hypothesis testing, A/B testing, Confidence intervals, Regression analysis, Scipy
- Visualization & Reporting Tools:** Python Libraries, Matplotlib, Seaborn, Plotly, Interactive visualizations, Dashboard Development, Streamlit, Web-based analytics dashboards, Real-time reporting, Business Intelligence, Experience with dashboard creation, KPI tracking, Performance metrics, Learning, Power BI, Tableau, Advanced Excel functions

- **Data Processing & Management:** Data Cleaning, Missing data handling, Outlier detection, Data validation, Quality assurance, ETL Processes, Data extraction, Transformation workflows, Automated data pipelines, Documentation, Process documentation, Data dictionaries, Methodology guides
- **Exploratory Data Analysis (EDA):** Data profiling, Distribution analysis, Correlation studies, Outlier detection, Statistical plots, Trend analysis, Pattern recognition, Data storytelling
- **Statistical Testing & Validation:** Z-tests, T-tests, ANOVA, Chi-square tests, Effect size calculations, Experimental design, Statistical significance, Confidence intervals, Power analysis, KS test
- **Business Intelligence:** Performance metrics design, Baseline establishment, Trend monitoring, Executive summaries, Data-driven recommendations, Visual presentations
- **Technical Proficiency:** Advanced SQL querying, Python data analysis, Statistical modeling, Dashboard development, Data visualization, ETL processes
- **Business Acumen:** KPI development, Performance analysis, Trend identification, Stakeholder communication, Data-driven recommendations
- **Soft Skills:** Analytical thinking, Problem-solving, Attention to detail, Clear communication, Team collaboration, Self-directed learning

Certifications & Continuous Learning

- **Advanced SQL for Data Analysis:** 2024: Self-directed course completion
- **Statistical Analysis in Python:** 2024: Comprehensive project-based learning
- **Business Intelligence Fundamentals:** 2024: Currently pursuing

Achievements

- 2024: Completed 14+ comprehensive data analysis projects with documented methodologies
- 2024: Built and deployed 4 interactive web applications for data visualization
- 2024: Maintained public GitHub repository demonstrating consistent code quality and documentation
- 2024: Successfully applied statistical methods to real-world business problems with measurable results