

Sanya Gubrani

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PROJECTS

Insurance Premium Prediction ↗

Predictive modeling of healthcare insurance expenses based on demographic and lifestyle factors. using Python.

- Managed healthcare insurance data for over 1,300 individuals, conducting thorough cleaning and analysis.
- Built predictive models achieving R-squared scores of 0.881 (Polynomial Regression), 0.893 (Decision Tree Regression), and 0.900 (Random Forest Regression).
- Demonstrated the impact of variables such as age, BMI, and smoking status on insurance expenses.
- Tools: Python libraries including NumPy, Pandas, Matplotlib, Seaborn, and Scikit-learn

London Bike Sharing Analysis ↗

Analyzed bike-sharing data in London to understand rental patterns and factors affecting demand.

- Handled 15,000+ data records, cleaned and transformed using Python
- Developed predictive models with 90%+ accuracy for peak demand forecasting
- Created interactive Tableau dashboards to increase rental pattern understanding by 20%
- Tools: Python (Pandas, NumPy, Matplotlib, Seaborn, Sklearn), Tableau

HR Attrition Analysis ↗

Analyzed employee attrition patterns and identified contributing factors.

- Conducted attrition analysis on 1,000+ employee records in Power BI
- Conducted data cleaning, transformation, and analysis using Power Query.
- Crafted an interactive dashboard with slicers for exploring attrition trends, comprising 10+ visualizations.
- Increased understanding of attrition patterns by 30%.

SKILLS

Python | R | Power BI | Tableau | MySQL | Microsoft SQL Server | Big Query | Data Warehouse/ETL | Git | Data Cleaning & Wrangling | Exploratory Data Analysis | Statistical Analysis | Predictive Modeling | Machine Learning | Data Visualization & Reporting | Collaboration | Data-Driven Decision Making | Presentations & Data Storytelling | Risk Assessment | Mortality Analysis

EDUCATION

BA Economic Honors

2021-2024

Indira Gandhi National Open University

Relevant Skills: Data Analytics, Statistical Modeling, Quantitative Research, Econometrics

Professional Exams: Actuarial Mathematics (CM1), Actuarial Statistics (CS1)

CERTIFICATES

- **DP-900 Microsoft Azure Data Fundamentals:** Azure Data Integration | Azure Data Storage | Azure Data Analytics Services
- **Google Data Analytics:** Data Cleaning and Preprocessing | Data Analysis Techniques | Data Visualization and Interpretation | Communication of Insights