Data Analyst/ Business Analyst

NILESH KUMAR YADAV

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Skills

- SQL (SQL Server, MySQL, PostgreSQL)
- Python (Pandas, NumPy, SciPy, MatPlotLib)
- Tableau
- Excel (VLookup, Conditional Formatting, Pivot Tables)
- Microsoft Azure (DataBricks, Azure Data Lake, Azure Data Warehouse)
- PySpark
- Microsoft Power BI

Projects

DATA SCIENCE JOB MARKET EDA – Personal Project **–** Philadelphia, PA   April 2020

- Utilized **Python** to analyze 7000 data science job listings and gain insights on what it takes to land a job in analytics
- Implemented **Regex** techniques to comb through the job descriptions and identified the key requirements
- Aggregated and visualized the data by using **pandas, matplotlib** and **wordcloud** to compile a professional report

BENEFIT PACKAGE BENCHMARKING DASHBOARD – Virtual Client's Project **–** Philadelphia, PA   February 2020

- Created a dashboard with **Power Bi** to help client compare between different employee benefit packages
- Transformed and processed client's data by using DAX and Excel to ensure data completeness and validity
- Provided technical insights on how the client can fully utilize their data by introducing different technologies
- Consulted with client to determine the best metrics to be displayed on final product

SENTIMENT ANALYSIS ON TWEETS – Personal Project **–** Philadelphia, PA   December 2019

- Utilized **R Studio** to perform sentiment analysis on 14,000 tweeter reviews of six major airlines
- Performed data cleaning and text analysis to successfully identified the major complaints for each airline
- Applied regression and machine learning to produce a final model with an accuracy of 88% and lift of 34%

CUSTOMER SALES ANALYSIS – Personal Project **–** Philadelphia, PA   November 2019

- Utilized **SQL** to extract data from 8 different related tables from customer sales databases using **JOIN** and **VIEW**
- Transformed and filtered data by using aggregating and filtering function to improve reporting process
- Loaded and visualized data with **Python** to identify key business intelligences that can improve sales performance

Work Experience

RE-INSURANCE ANALYST CO-OP – CHUBB Insurance **–** Philadelphia, PA   March 2018 - October 2018

- Reconsolidated and logged premium internal re-insurance rates of major four accounts through First (Chubb's proprietary internal MIS system)
- Implemented a new reporting using Excel Pivot and VBA which help reduced processing time by 50%
- Generated three process reports weekly for continuous accounts for financial and developmental analysis
- Analyzed domestic and international reinsurance agreement contracts wording to issue/update policies accordingly

LEASING ASSITANT – UACT Associates – Philadelphia, PA   December 2016 - February 2018

- Organized operational expenses checkbooks for 15 properties and audited the company's financial statement
- Promoted vacant properties through word of mouth and social media, resulting in successfully leased out 60% apartments
- Organized house tours and maintained properties through monthly inspections
- Served as a liaison between landlord, tenants, and building managers to resolve issues pertain to the properties

Education

Bachelor of Technology - Computer Science Engineering – Galgotias University – Greater Noida, UP, India   June 2020
Majors: Business Analytics, Operations and Supply-chains Management, International Business