Data Analyst/ Data Visualization

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https://vivek-singg.github.io/

VIVEK SINGH

Skills

- SQL (SQL Server, MySQL, PostgreSQL)
- Python (Pandas, NumPy, Matplotlib)
- Tableau
- Excel (Reporting, Macros, Pivot Tables)
- Microsoft Power BI

Projects

ANALYSIS OF HEALTH AND ENVIRONMENTAL RISK FACTORS

- Conducted in-depth data analysis on life expectancy trends using **Pandas** and Matplotlib. Expertly visualized the data to identify intricate patterns and insights, and utilized advanced statistical techniques to validate findings.
- Proficiently utilized **SQL** to conduct robust statistical analysis and effectively identify underlying risk factors associated with premature death.
- Designed and created an intuitive **Tableau** Story presentation on the most underlooked factor of premature death, enabling non-technical stakeholders to easily access and understand key insights from the data analysis.

SALES ANALYSIS

- Demonstrated expertise in utilizing advanced SQL queries, including **subqueries** and window functions, to analyze sales performance data and address crucial business questions.
- Effectively utilized **SQL** to determine the correlation between sales over time, profit, and discount, revealing opportunities to optimize revenue.
- Provided comprehensive technical guidance on how the client can fully leverage their data by introducing innovative technologies.

AUTOMATED DATA CONSOLIDATION

- Developed an automated process using **Power Query** to combine multiple files into a single Excel workbook, reducing manual effort and improving efficiency.
- Configured the process to update the combined data automatically when changes are made to the source files, ensuring the accuracy and timeliness of the final output.
- Created an interactive Excel dashboard, incorporating key business **KPIs** and dynamic visualizations to improve data analysis and enable better-informed decision-making.

Work Experience

LIBRARY MANAGER   January 2022 - December 2022

- Managed the library's collection by selecting, acquiring, cataloging, and maintaining books and other materials using various tools such as **SQL databases** and cataloging software.
- Generated three process reports weekly using **Pivot Table** to monitor financial and developmental progress.
- Utilized strong communication skills and deep knowledge of the library's collection to provide efficient and effective service.
- Provided outstanding customer service to library patrons by proactively addressing complex service situations resulting in a **98%** satisfaction rate based on user feedback.
- Planned and executed book clubs, author visits, and other events designed to appeal to a wide range of library users.
- Developed and implemented a membership plan based on user feedback, preferences, and satisfaction rate, resulting in a **25%** increase in library membership over a six-month period.

Certification

Google Data Analytics Professional Certificate.   Issued December 2022