**ALLOMBERT Jean-Baptiste**

**Data Project Resume**

**Project Title: COVID-19 Data Analysis**

**Project Overview:**

Led a data analysis project utilizing COVID-19 datasets sourced from Kaggle, specifically focusing on the "CovidDeath" and "CovidVaccination" Excel spreadsheets. Leveraged SQL for data cleaning and extraction, with the primary objective of investigating potential correlations between COVID-19 tests and new cases. The project aimed to provide valuable insights into the relationship between testing efforts and the spread of the virus.

**Project Details:**

**Technologies Used:**

* **Programming Language:** SQL
* **Data Analysis Tools:** PowerBI
* **Spreadsheet Software:** Microsoft Excel

**Data Cleaning and Processing:**

* Extracted relevant data from "CovidDeath" and "CovidVaccination" spreadsheets using SQL.
* Cleaned and transformed data to focus on key variables related to COVID-19 testing and new cases.
* Consolidated the processed data into a new spreadsheet for further analysis.

**SQL Queries:**

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**Visualization:**

* Utilized PowerBI to create interactive visualizations that effectively communicated insights.
* Designed visualizations to illustrate the correlation between COVID-19 tests and new cases.

**Key Achievements:**

1. **Data Extraction and Cleaning:**
   * Extracted pertinent information from Kaggle datasets using SQL queries.
   * Employed SQL to clean and preprocess data, ensuring accuracy and relevance.
2. **Correlation Analysis:**
   * Investigated the relationship between COVID-19 tests and new cases.
   * Applied statistical methods to identify and quantify any correlation.
3. **Visualization and Reporting:**
   * Developed interactive dashboards using PowerBI to present key findings.
   * Created visualizations that facilitated a clear understanding of the correlation analysis.

**Results and Impact:**

* Established a meaningful correlation between COVID-19 testing efforts and the occurrence of new cases.
* Insights provided valuable information for decision-makers and public health officials.

**Your Role:**

As the project lead, responsibilities included:

* Data extraction and cleaning using SQL.
* Formulating and executing SQL queries for targeted data selection.
* Collaborating with team members to ensure data relevance and accuracy.
* Designing and implementing interactive visualizations in PowerBI.

**Lessons Learned:**

* Gained valuable experience in data preprocessing and SQL for data extraction.
* Improved skills in translating complex data findings into compelling visualizations.

**Conclusion:**

This COVID-19 data analysis project reflects my proficiency in leveraging SQL for data cleaning, analysis, and the creation of impactful visualizations. The insights obtained contribute to our understanding of the dynamics between testing and new cases during the pandemic.