JASSMON ALLEN

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PROJECTS

Company Revenue Web Scraping Project

Independent Project | Humble, TX | MARCH 2024

- Utilized Python (BeautifulSoup, requests) to scrape structured data from a Wikipedia page, extracting 700 data points for comprehensive analysis.
- Processed and cleaned the scraped data with Jupyter Notebook and Pandas, resulting in improved data integrity.
- Through exploratory data analysis (EDA) and visualization using Microsoft Power BI and Power Query, uncovered insightful correlations between industry sectors, revenue growth, and employee count. Surprisingly, smaller to mid-sized companies, typically under 100,000 employees, demonstrated the highest revenue growth rates, suggesting greater agility and innovation. Additionally, identified specific industries driving the highest revenue growth rates, providing valuable insights for strategic decision-making and resource allocation within the company.

Data Analysis Survey Power BI Dashboard Project

Independent Project | Humble, TX | FEBRUARY 2024

- Utilized survey data from Data Professions to develop an interactive Power BI dashboard highlighting average salary trends across multiple dimensions.
- Integrated diverse datasets and employed advanced data visualization techniques to analyze average salaries by country, job title, and gender.
- Conducted in-depth analysis of gender pay disparities, providing insights into salary discrepancies across different demographics and data industries.

Covid-19 SQL Data Manipulation Project

Independent Project | Humble, TX | JANUARY 2024

- Leveraged intermediate SQL querying techniques within SQL Server to analyze Covid-19 data, focusing on key metrics such as total cases, total deaths, and infection rates across countries.
- Utilized SQL queries to extract and process Covid-19 data from a database, enabling comprehensive analysis of pandemic trends and impacts.
- Conducted various analyses, including:
  - Comparison of total cases versus total deaths to assess fatality rates and trends over time.
  - Analysis of total cases versus population size to evaluate the prevalence of the virus relative to population density.
  - Calculation of infection rates for different countries relative to their population sizes, providing insights into regional disparities and risk factors.
- Demonstrated proficiency in SQL data manipulation and analysis, highlighting the ability to derive actionable insights from large-scale datasets using SQL querying techniques.

EDUCATION

Bachelor of Science in Computer Science

Sam Houston State University | Huntsville, TX | MAY 2022

Relevant Coursework:

Data Structures & Algorithms | Database Management Systems | Statistical Methods in Practice | Regression Modeling & Analysis

SKILLS

SQL | Excel | Tableau | Microsoft Power BI | Python | Web Scraping

SQL Server | MySQL | VLOOKUP | Conditional Formatting | Pivot Tables | Pandas | Jupyter Notebook

CERTIFICATIONS

Data Analyst Bootcamp Completion Certificate

Data Analyst Bootcamp | Humble, TX | MARCH 2024