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BUSINESS ANALYST JOBS IN

HONG KONG

**Bulusu Surya Taruni**

**Group 5 Mentor**

Bulusu Surya Taruni RR5880 Dr. Jia Guo

Shalvi Sudhir Deshmukh XN7935 California State University, East Bay

Bhavitha Peddamaru EV7856 College of Business and Economics

Ruhi Sania LT7551

Hanvitha Vuddandi MW6152

**Objective:**

The objective of this project is to collect and analyze salary data for Business Analyst jobs in Hong Kong. By scraping salary information from job search portals, we aim to gain insights into the salary landscape for Business Analysts. The data used was collected from the JobsDB website.

**Data Source:**

We collected data from the JobsDB website (<https://hk.jobsdb.com/business-analyst-jobs/full-time>) using web scraping techniques.

**Data Collection:**

Python programming language along with web scraping libraries such as BeautifulSoup and Requests were employed to automate the process of data extraction. The script navigated through the JobsDB website, parsed HTML content, and extracted relevant job details from each listing. The collected data required cleaning to remove unnecessary characters. Rows with missing job titles were removed, and missing salary values were imputed with the most frequent values.

**Data Visualization:**

Exploratory data analysis was conducted to visualize patterns in the data, including the distribution of salary, salary vs. job title, salary vs. geographical area, salary vs. company, and the count of job posts with respect to the industry.

A graph of salary distribution

Description automatically generated

A graph with different colored squares

Description automatically generatedA graph of various colored squares

Description automatically generated with medium confidence

A graph showing a number of salary

Description automatically generated

**Insights:**

The analysis provided insights into the salary landscape for Business Analyst roles in Hong Kong. Visualizations helped understand which job titles offer higher pay, the distribution of salaries across different geographical areas and companies, and the demand for Business Analyst roles across industries. These insights can guide job seekers in making informed decisions and assist companies in salary benchmarking.

**Relevance in the Current Market Scenario and Global Expansion:**

Understanding the salary landscape for Business Analyst roles is crucial in the current market scenario, where demand for skilled professionals is high. Expanding this analysis globally can provide valuable insights into salary trends across different regions, facilitating talent acquisition and strategic workforce planning for multinational companies.

**Challenges Faced:**

During the project, we encountered challenges with web scraping from popular job portals like Indeed, Monster, and ZipRecruiter due to consistent 403 errors. However, our perseverance led us to discover JobsDB as a suitable alternative, enabling successful data extraction.

**Considerations for Predictive Modeling:**

Predictive modeling requires a sufficient amount of labeled data, which was limited in our dataset. Imputing missing values with the most frequent value may introduce bias and hinder model performance. Overcoming this challenge may involve collecting more data and exploring additional predictive features such as job descriptions and company profiles.

**Conclusion:**

The project provided valuable insights into the salary landscape for Business Analyst roles in Hong Kong. Despite challenges faced during data collection, leveraging web scraping techniques enabled us to gather meaningful data for analysis. Further exploration and refinement of predictive models can enhance our understanding of salary trends and support informed decision-making in the job market.