**Salary Dataset**

Dataset : https://www.kaggle.com/datasets/nikhilbhathi/data-scientist-salary-us-glassdoor/data

**Analytical Conclusion for Salary Data**

**Overview:**

**The dataset provided contains salary information collected over various years and includes multiple features that describe the employees' work experience, employment type, job title, salary figures in different currencies, and company characteristics. The goal is to predict the average salary based on these features.**

**Key Features:**

1. **work\_year: The year in which the salary data was collected.**
2. **Experience\_level: Categorical variable indicating the level of work experience (EN, EX, MI, SE).**
3. **Employment\_type: Categorical variable indicating the type of employment (FT, CT, FL, PT).**
4. **Job\_title: Categorical variable indicating the job titles of the employees.**
5. **Salary: The salary figures in their respective currency formats.**
6. **Salary\_currency: The currency code for the salary figures.**
7. **Salary\_in\_usd: The salary figures converted to USD.**
8. **Company\_location: The location of the companies, specified as country codes.**
9. **Company\_size: The size of the companies, classified as Large (L), Medium (M), and Small (S).**

**Correlation:**

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Note :

**Conclusions from Correlation matrix :-**

**• Lower Salary and Upper Salary:**

The correlation coefficient between Lower Salary and Upper Salary is 0.939995, indicating a very strong positive relationship. This means that as the lower bound of the salary range increases, the upper bound also tends to increase.

**• Lower Salary and Average Salary:**

The correlation coefficient between Lower Salary and Average Salary is 0.978679, showing a very strong positive correlation. This implies that an increase in the lower salary is strongly associated with an increase in the average salary.

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Some Visualization to Describe the columns :

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Overview of Type of Owner Ship Column

Overview to Relation between Lower Column and High Column

Overview of Degree Column

A screenshot of a computer

Description automatically generatedA graph with lines and numbers

Description automatically generated

A graph of purple lines

Description automatically generated

Overview to Relation between Avg Column and Age Column

Overview to Relation between Avg Column and High Column

Overview to Relation between Avg Column and Lower Column

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