**Business Case for Data Science Salary Prediction**

**Problem Case Statement for Tableau Visualization for Data Science Salary Prediction**

**Overview**

The Data Science Salary Prediction dataset presents an opportunity to leverage Tableau for comprehensive visualization and analysis. With attributes such as Work Year, Job Title, Job Category, Salary Currency, Salary, Salary in USD, Experience Level, Employment Type, Work Setting, Company Location, Company Size the objective is to create a dynamic and insightful Tableau dashboard.

**Attributes:**

The dataset contains multiple columns, each representing distinct aspects of sales transactions, including:

1. Work Year
2. Job Title
3. Job Category
4. Salary Currency
5. Salary
6. Salary in USD
7. Experience Level
8. Employment Type
9. Work Setting
10. Company Location
11. Company Size

**Objective:**

The main goal of this project is to make the most of Tableau capabilities to gather valuable insights from Salary data. By diving into the dataset and using Tableau powerful analytical features, our objectives include:

1. **Job Category Salary Distribution:** Create a visualization that displays the distribution of salaries across different job categories. Which job categories tend to have higher average salaries.
2. **Temporal Salary Trends:** How has the average annual salary in the data field changed over the recorded years? Can you identify any notable trends or patterns?
3. **Global Salary Comparison:** Visualize the average annual salaries in USD for data roles across different countries. What are the significant variations in global salary levels?
4. **Experience Level Impact:** Explore the relationship between experience levels and average salaries. Do more experienced professionals tend to earn higher salaries in the data industry.
5. **Employment Type Analysis:** Visualize the distribution of salaries based on different employment types (Full-time, Part-time, Contract). How does employment type influence salary structures.
6. **Company Size and Compensation:** Develop visualizations to analyze how the size of the employer company (S, M, L) influences the salaries of data professionals. Are there trends indicating how company size affects compensation.
7. **Comprehensive Salary Table:** Integrate the insights into an interactive dashboard. Allow users to explore salary trends based on various factors such as Employment Type, Job title, Company location, and their min and max salary.