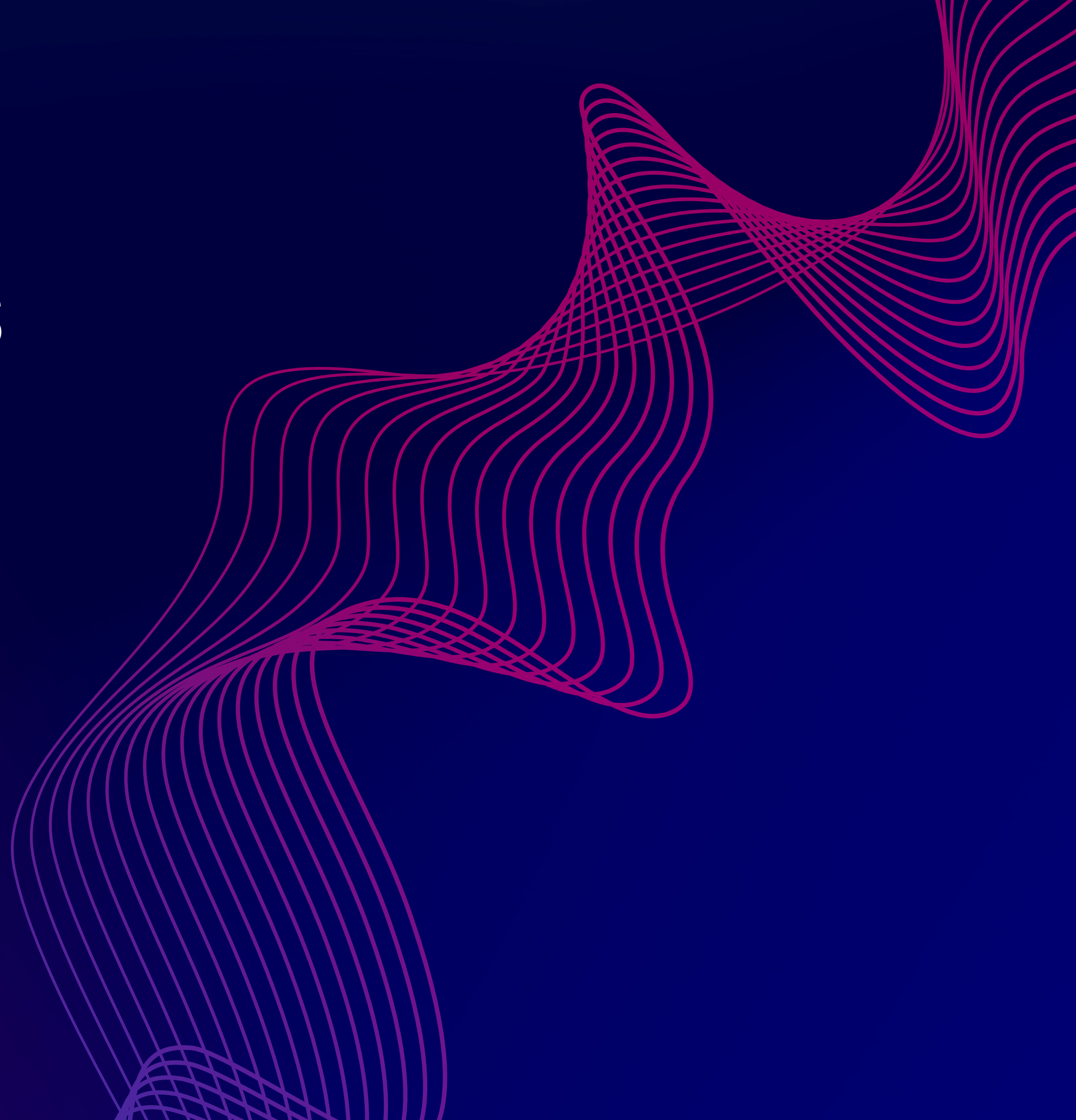# EMPLOYEE SALARIES ANALYSIS USING MICROSOFT EXCEL

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OBJECTIVES

This project is conducted in other to analyze a employee salaries for different job role, trends and employment patterns in the tech industry using a dataset containing various attributes like job titles, experience levels, employment types, remote work ratios, and company characteristics. The analysis aims to uncover insights about salary distributions, and the influence of company size and location on salaries.

METHODOLOGY

DATA COLLECTION
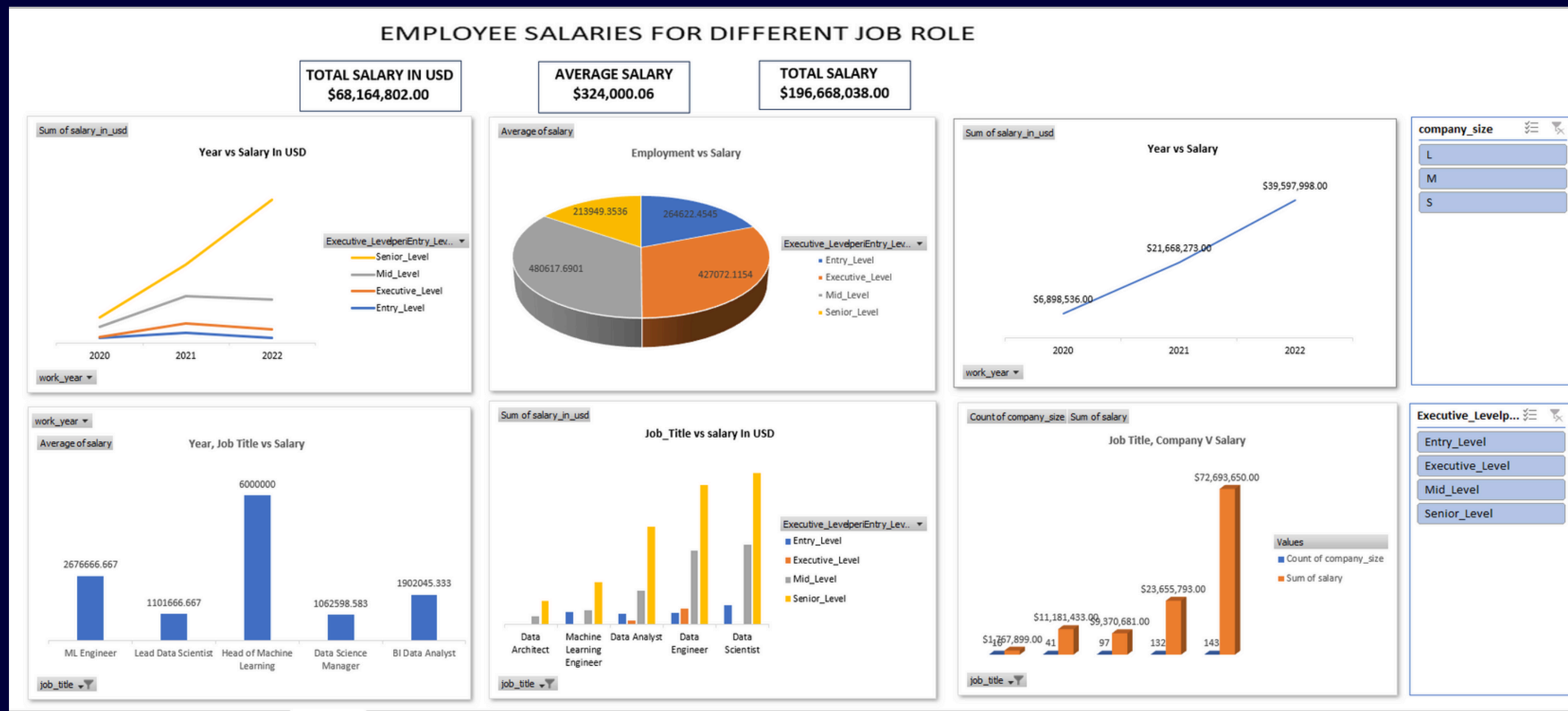
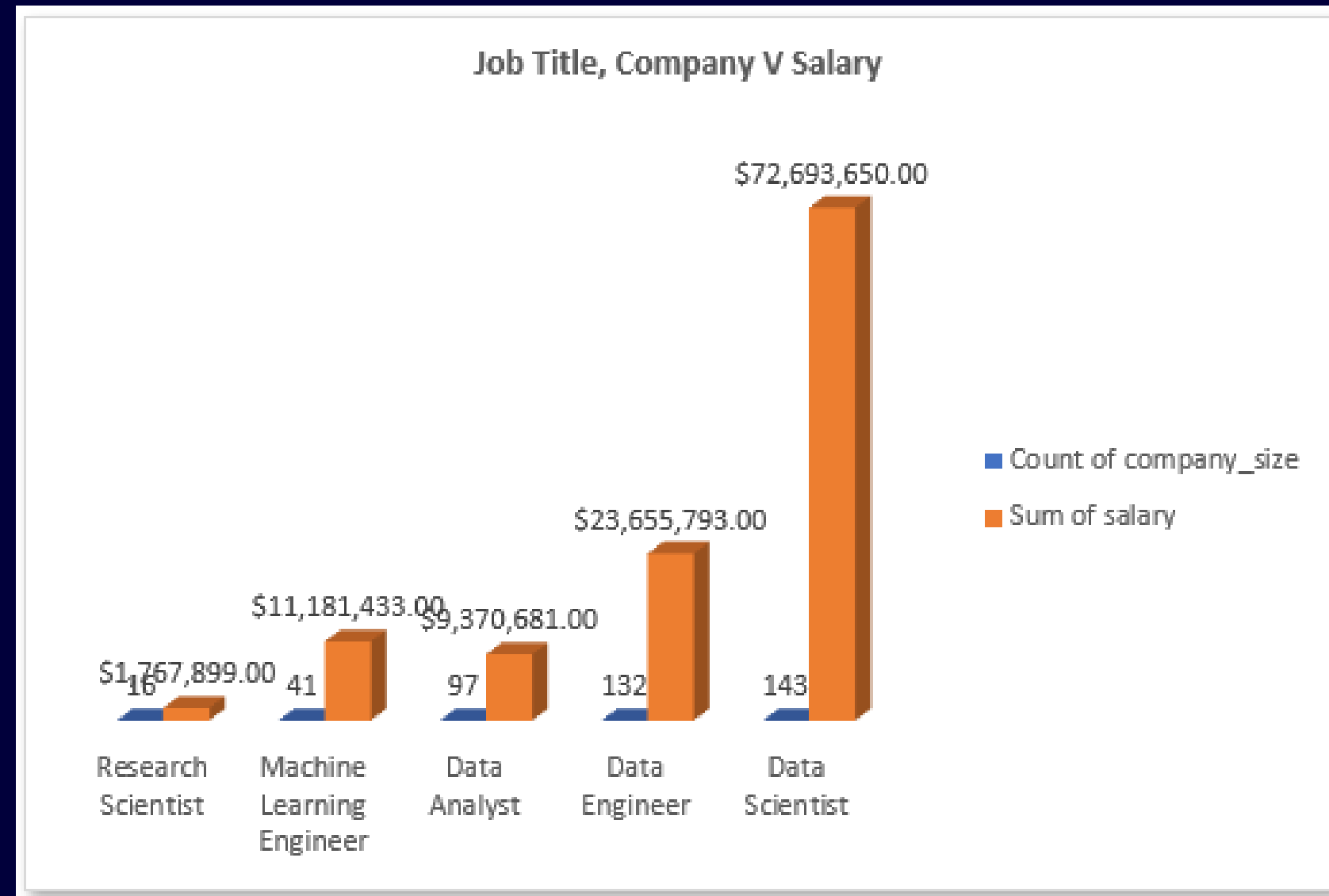DATA PREPARATION

DATA CLEANING

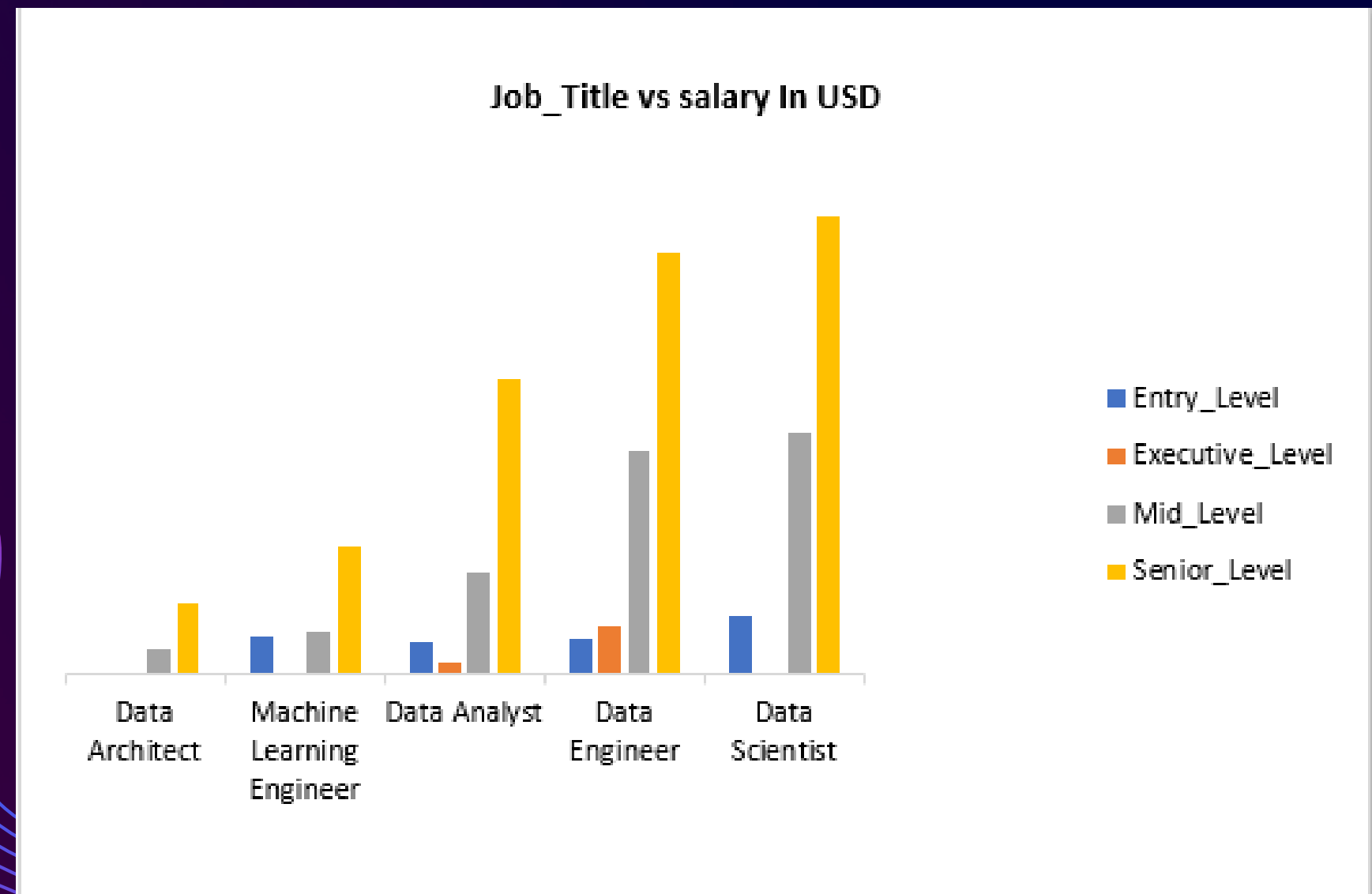DATA TRANSFORMATION

DATA VISUALIZATION

OVERALL DASHBOARD

The dashboard below shows the overall pivot chart and illustration for a better understanding of the employee salaries analysis.
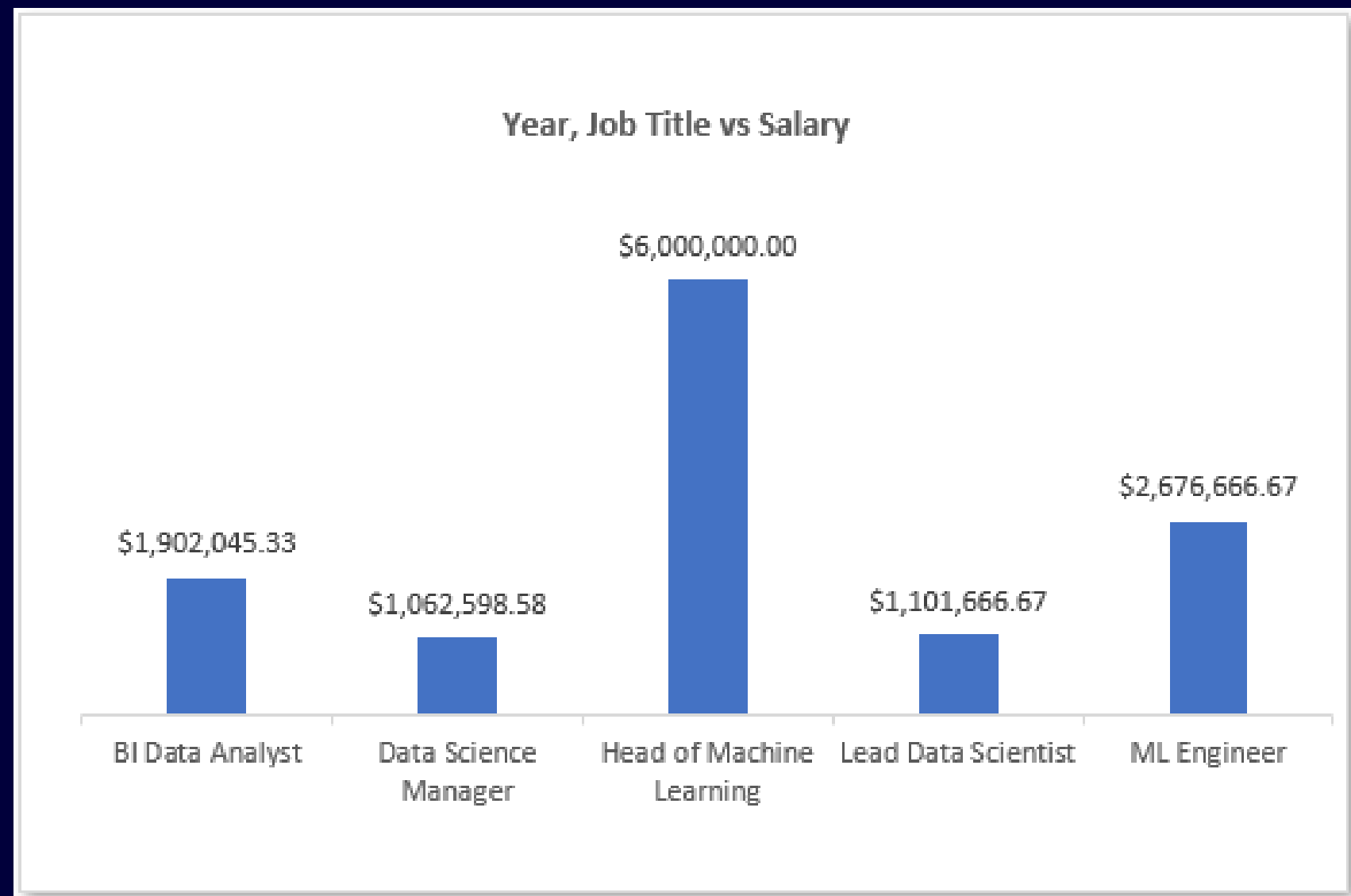
The bar chat explain the job title, company and the salary.

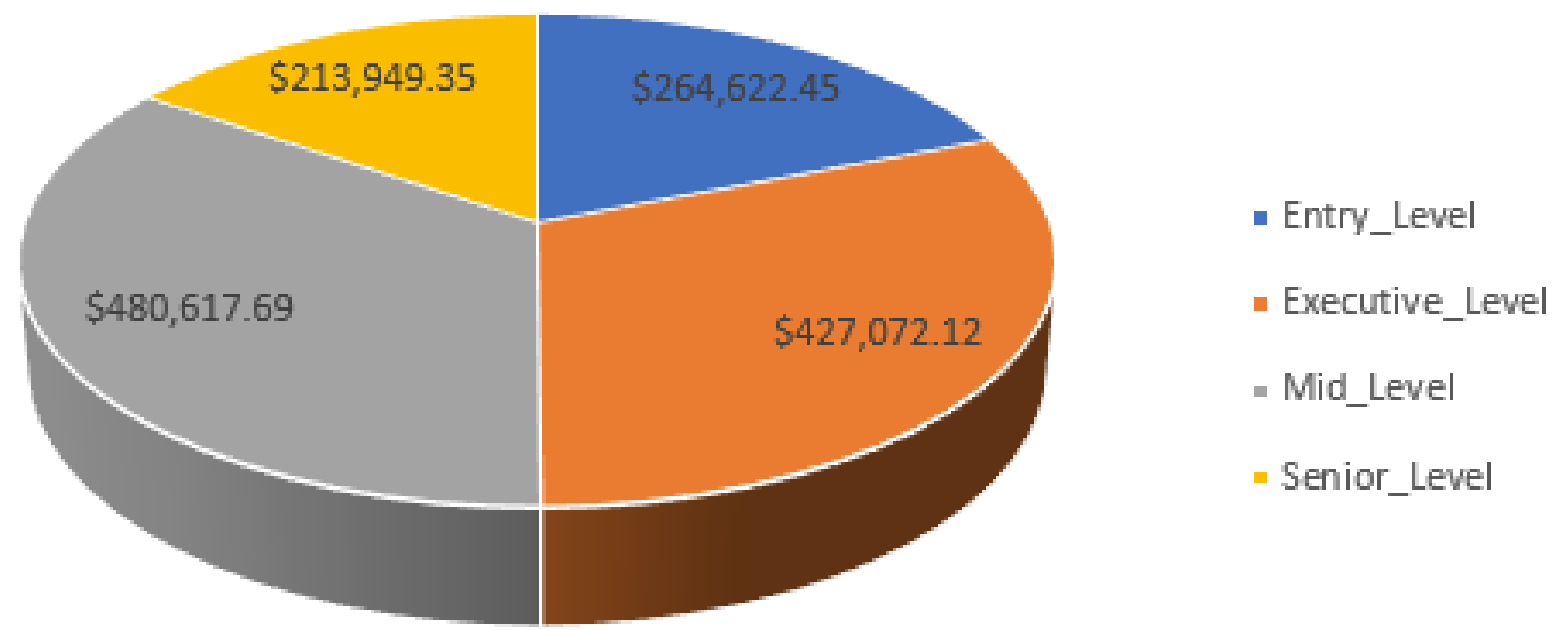The bar chart explain the Job_title Vs the Salary in USD
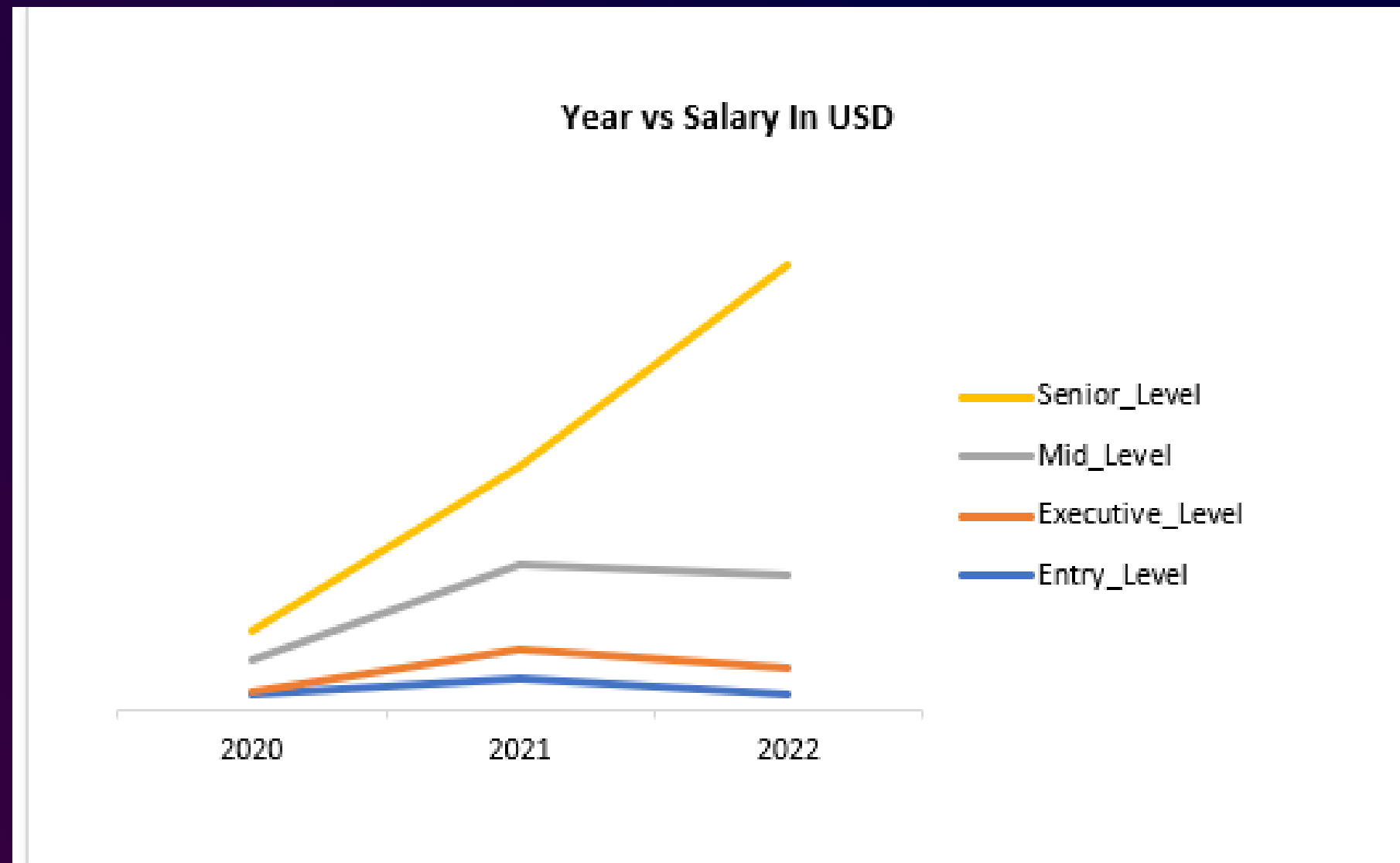
The bar chart explain the Year,Job and the Salary

The line chart illustrate the Year Vs the Salary

The Pie chart illustrate the Employment Vs the Salary.

The line chart explain the Year and the Salary in USD

INSIGHT

- Machine learning has the average salary of $6,000,000,00, follows by ML Engineer of $2,676,666,67, BI Data Analyst of $1,902,045.53, Lead Data Scientist of $1,101,666.67 and Data Science Manager of $1,062,598.58.which indicates that companies are willing to pay premium salaries for expertise in machine learning and data science, emphasizing the strategic value these roles bring.

- Data scientist has the highest company of 143 and also has the highest salary of $72,693,650.00. followed by Data Engineer, 132 of company and salary of $23,655,793.00.Which suggests a strong industry focus on data-related roles.

- Mid_Level has the highest Average Salary of $480,617.69, follows by the Executive_Level of $427,072.12, Entry_Level of $262,622.45 and Senior_Level of $213,949.35.Mid-Level roles might be in high demand with specific technical skills or responsibilities that justify the higher salaries.

- The Year 2022 has the highest Employee salaries among different job roles of $39,597,998.00, follows by the year 2021 of $21,668,273.00 and Year 2020 of $6,898,536.00. Which indicates a sharp increase in total salaries from 2020 to 2022, highlighting a strong upward trend in employee compensation.

CONCLUSION

- Based on the analysis carried out it was observed that the year 2022 has the highest salary.
- It was also observe that the Mid_level has the highest average salary,follows by the Executive_level.
- The line chart also shows that in the year 2022 the senior level has higher salary in USD.
- The Year 2022 has the highest Employee salaries among different job roles follows by the year 2021 and Year 2020.

Machine learning has the average salary follows by ML Engineer, BI Data Analyst , Lead Data Scientist of and Data Science Manager.

THANK YOU!