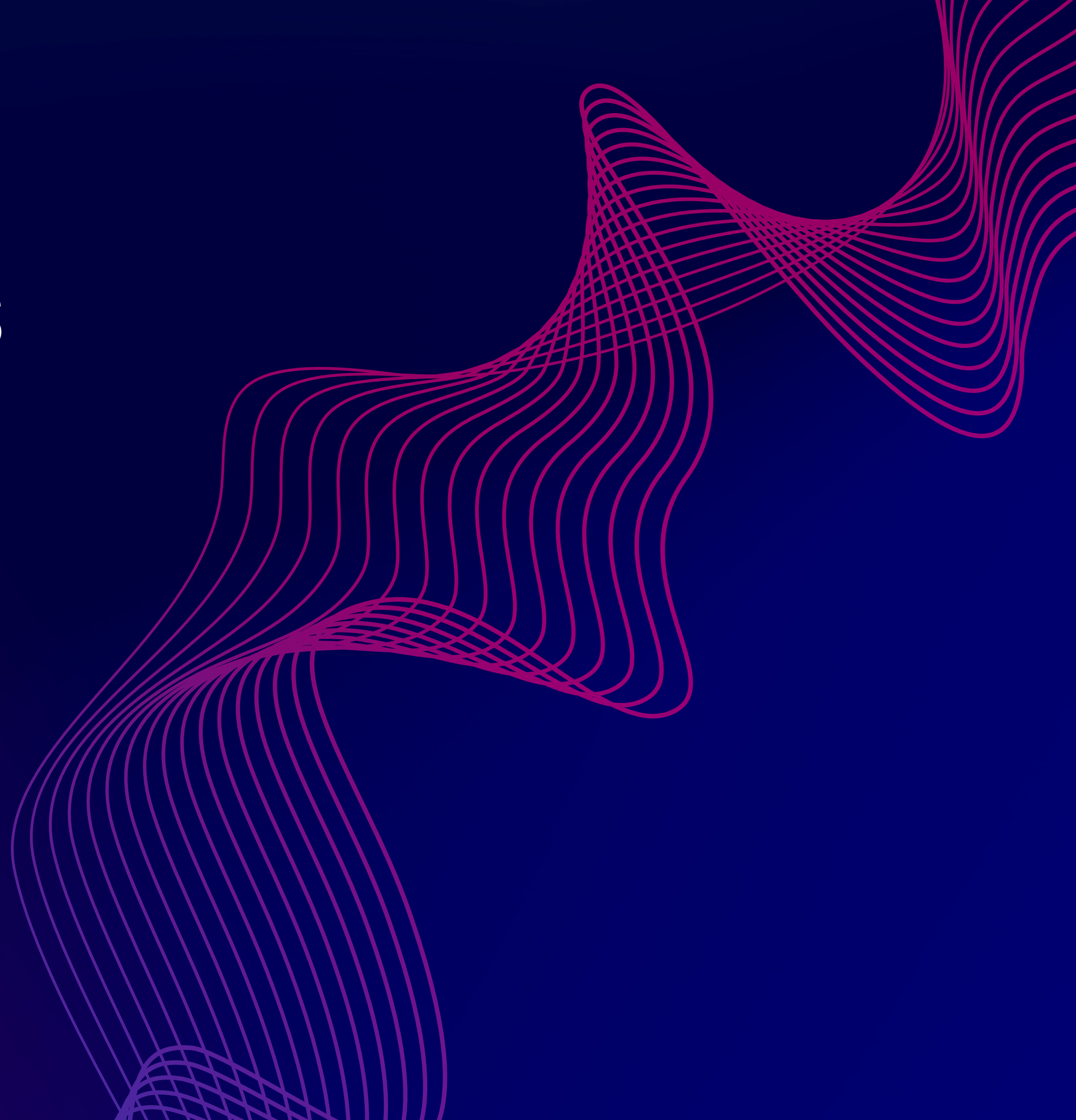


# EMPLOYEE SALARIES ANALYSIS USING MICROSOFT EXCEL

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# OBJECTIVES

This project is conducted in order to analyze employee salaries for different job roles, 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

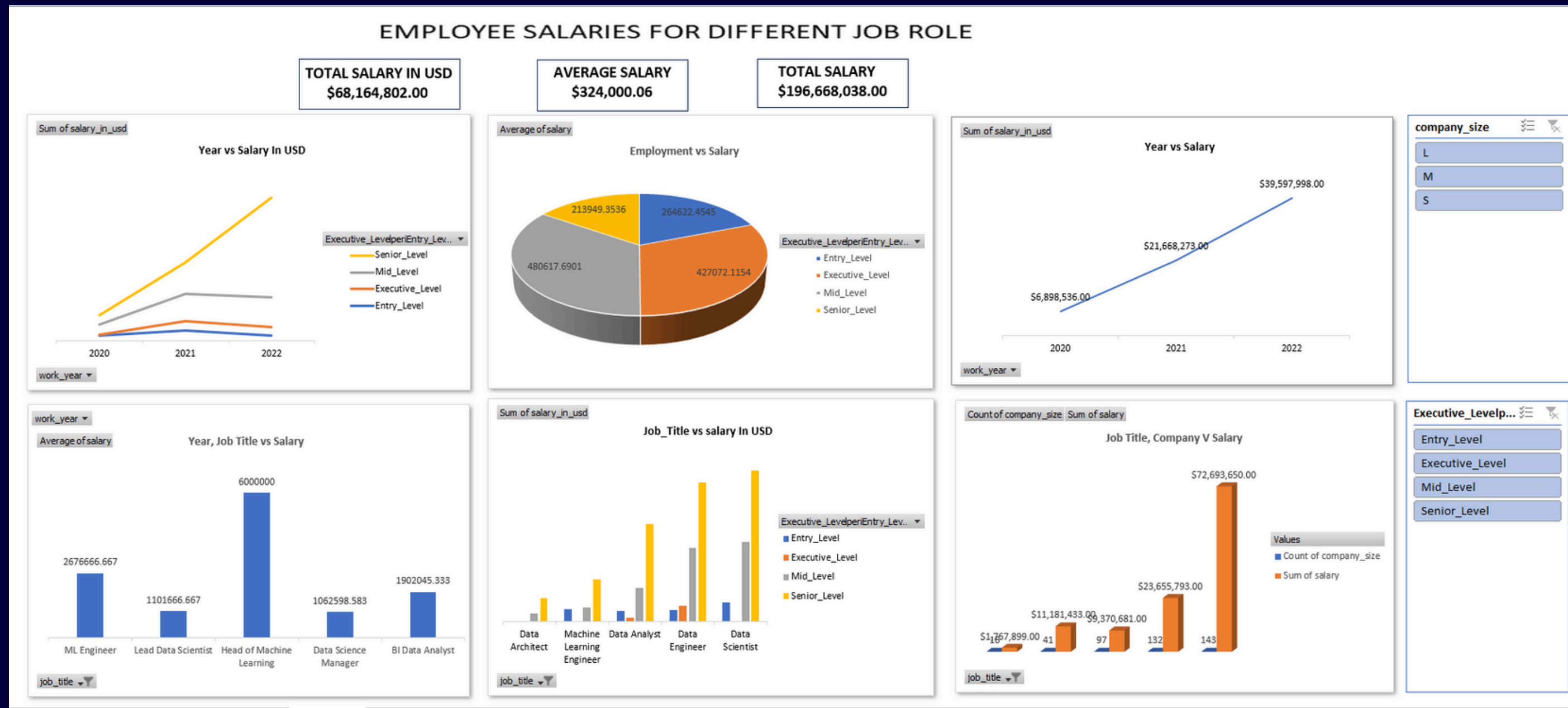
DATA CLEANING

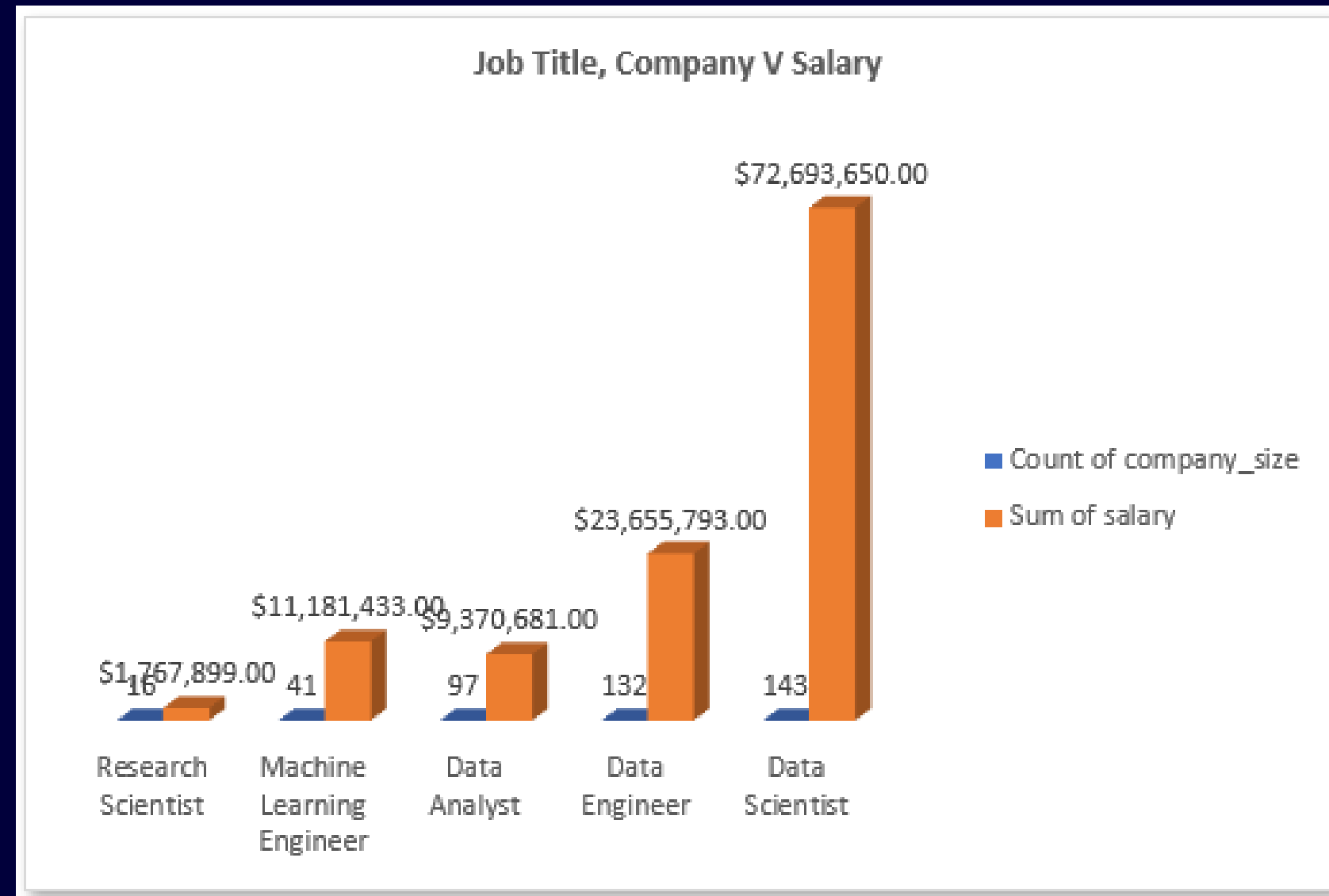
DATA TRANSFORMATION

DATA VISUALIZATION

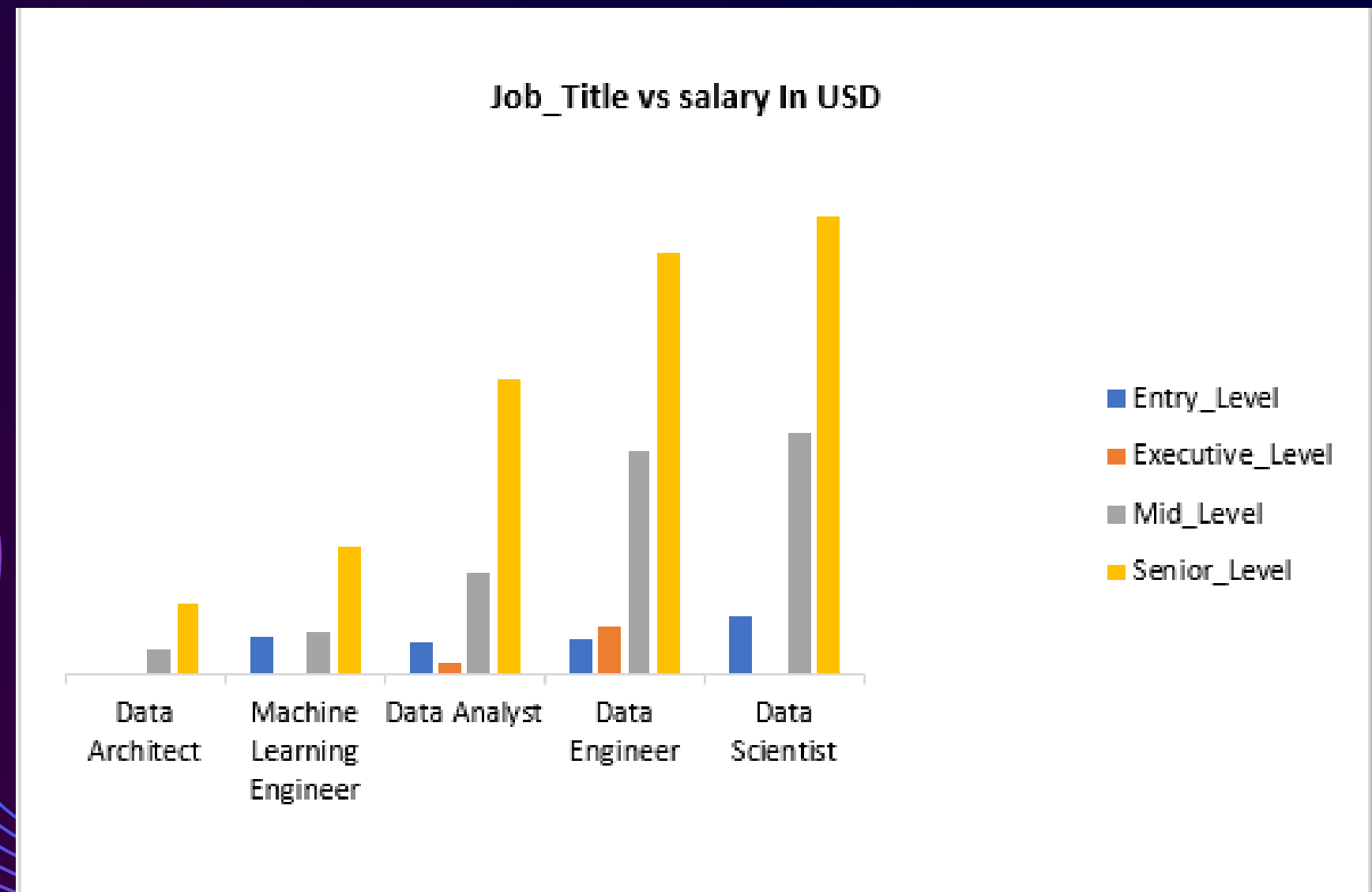
# OVERALL DASHBOARD

The dashboard below shows the overall pivot chart and illustration for a better understanding of the employee salaries analysis.

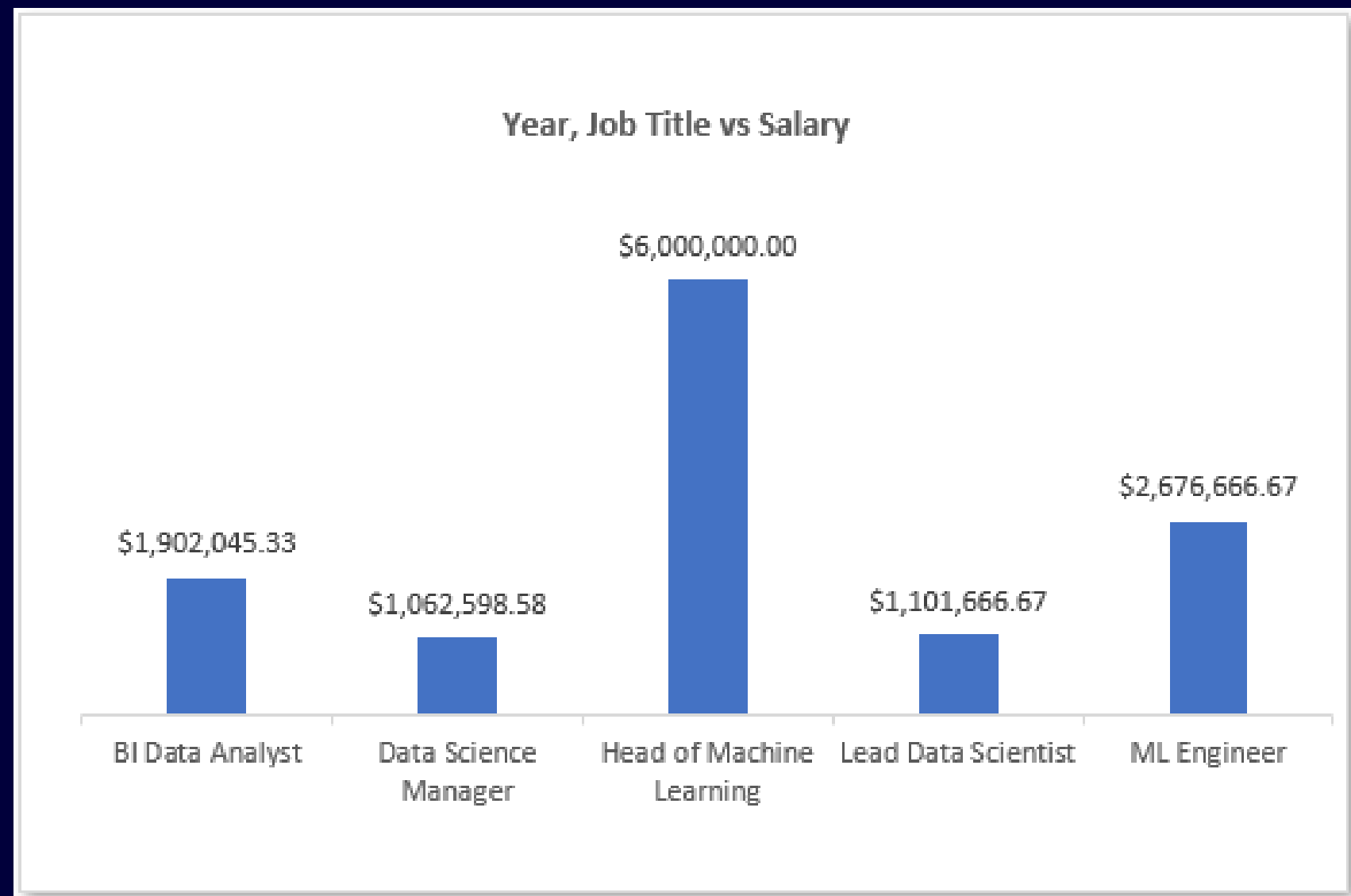




The bar chart explains the job title, company, and the salary.



The bar chart explain the  
Job\_title Vs the Salary  
in USD



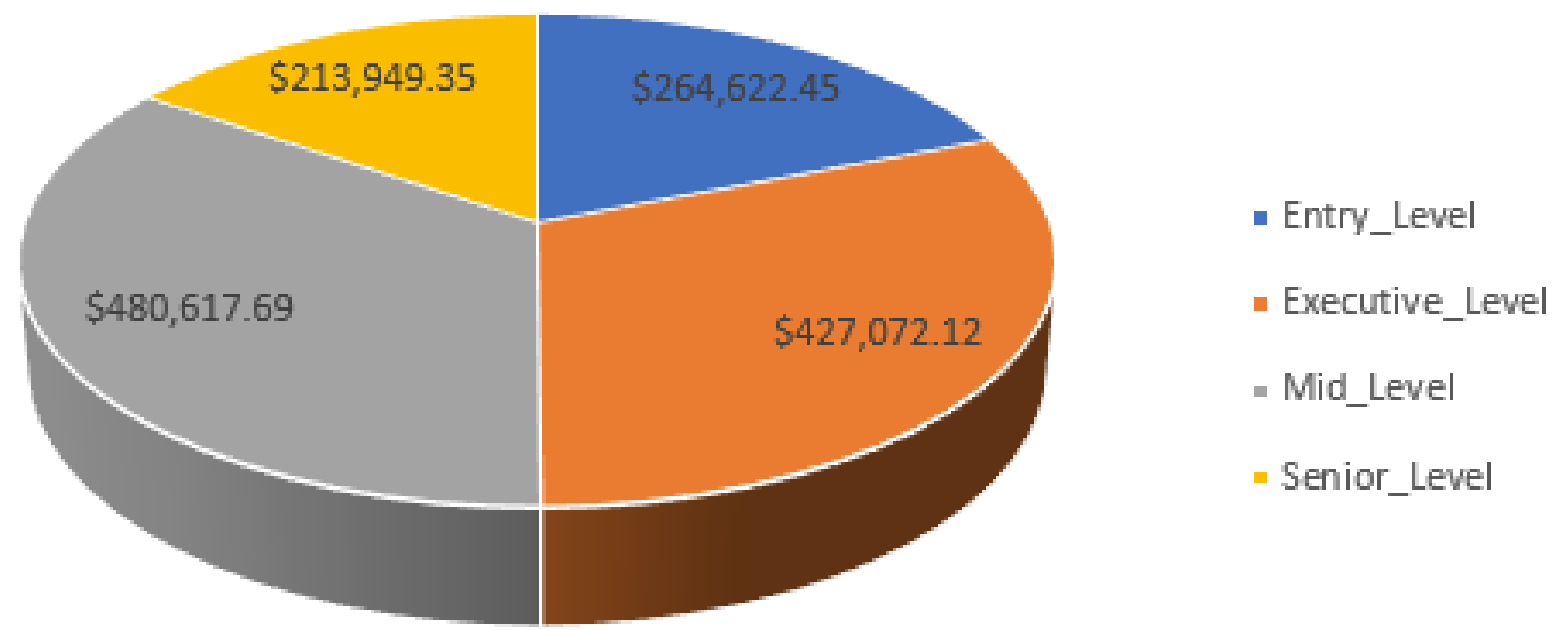
The bar chart explain  
the Year, Job and the  
Salary



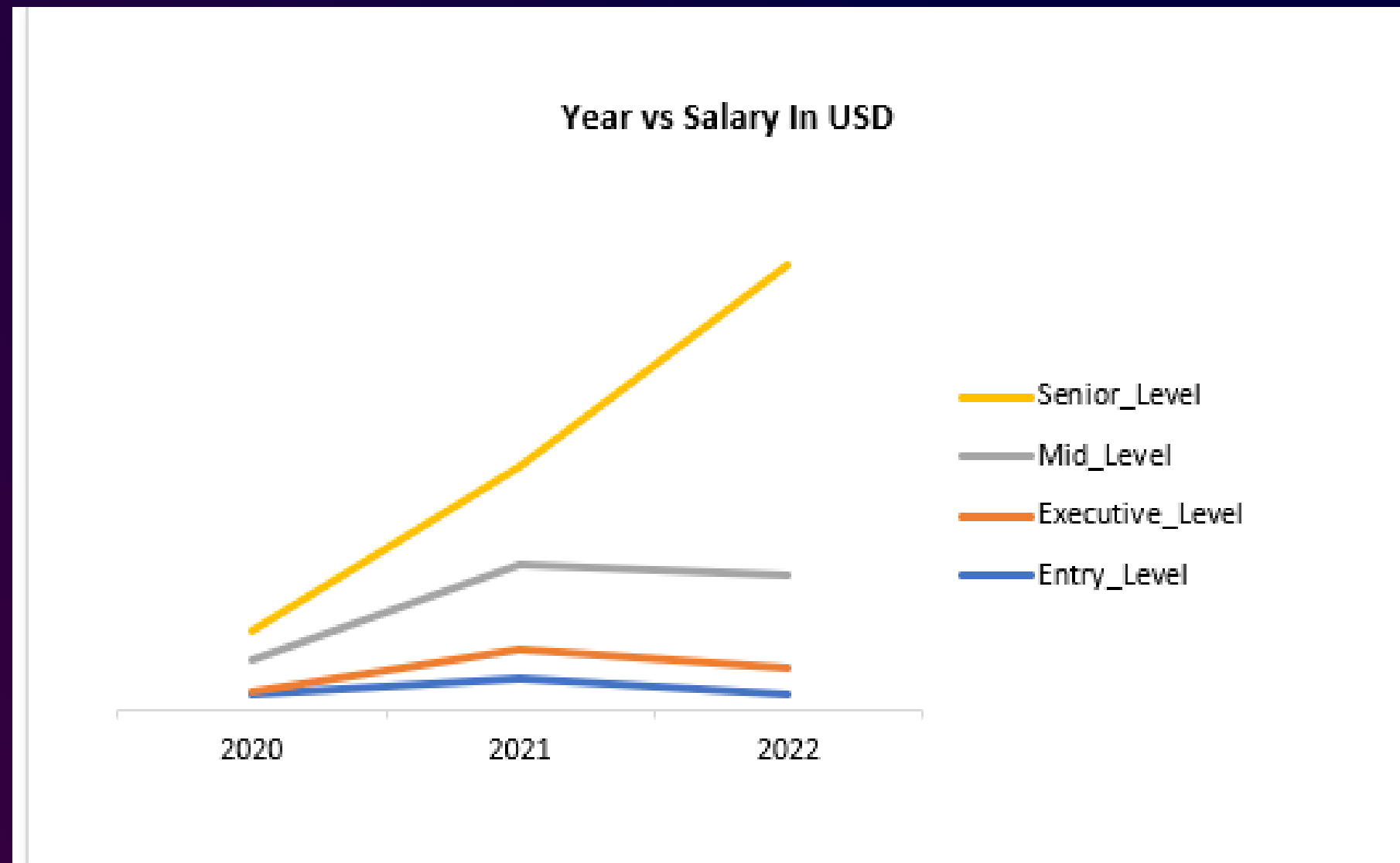
The line chart illustrate the Year Vs  
the Salary



Employment vs 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!**