Possible Insights from the Objectives

1. Highest and lowest-paying roles

Roles like Data Scientist, Machine Learning Engineer, AI Specialist are usually among the highest-paying.

Administrative or entry-level roles tend to be on the lower end of the salary scale.

2. Impact of experience on salaries

Salaries increase with higher experience levels (Junior → Mid → Senior → Executive).

The jump is not always linear; there’s often a significant spike when moving into managerial or leadership positions.

3. Employee residence vs. salaries

Employees in high-income countries (e.g., USA, Canada, Western Europe) typically earn higher salaries emote work allows employees in lower-cost countries to access higher salaries if employed by companies abroad.

4. Most in-demand skills

AI, Machine Learning, and Data Engineering skills are highly demanded.

Technical expertise in Python, SQL, Cloud Platforms, and Big Data tools often appears in job postings.

5. Education vs. salary

Advanced degrees (Master’s/PhD) are associated with higher average salaries.

However, practical experience can sometimes have a stronger effect on salaries than education alone.

6. Industries with highest/lowest salaries

Tech, Finance, and Consulting industries usually pay the most.

Education, Non-Profit, and Government sectors tend to offer lower salaries.

7. aVrge vs. small companieS

Large multinational companies typically offer higher salaries and better benefits.

Startups or small companies may pay less but sometimes compensate with flexibility or stock options.

8. Benefits and salaries correlation

There’s a positive correlation between higher benefits scores (insurance, remote work, bonuses) and salary levels.

9. Cross-country salary differences

Salaries depend not only on job role but also on cost of living and purchasing power in each country.

10. Salary prediction

A predictive model can be built using features like Job Role, Experience, Education, and Location to estimate salaries accurately.

11. Most demanded roles across countries

Demand differs by region US/Europe: Data Scientist, ML Engineer

US/Europe: Data Scientist, ML Engineer

Asia: Software Engineer, Data Analyst

Middle East: Business Intelligence, Data Engineer