Project 4 - Hiring Process Analytics

Project Description

As a data analyst at a multinational company like Google, I undertook a project to analyze the hiring process data. The goal was to derive meaningful insights from the hiring trends, including rejections, interviews, job types, and vacancies, to help improve the hiring strategies.

Approach

My approach involved:

- 1. Handling missing data in the dataset
- 2. Consolidating relevant columns to simplify analysis
- 3. Detecting and addressing outliers.
- 4. Summarizing data through statistical measures and visualizations
- 5. Conducting specific analyses on gender distribution, salary trends, departmental staffing, and position tiers

Tech-Stack Used

I primarily used Microsoft Excel for this project. This versatile tool allowed me to perform data cleaning, statistical analysis, and create various visualizations. Excel's built-in functions and charting capabilities were essential for efficiently processing the hiring data and presenting insights.

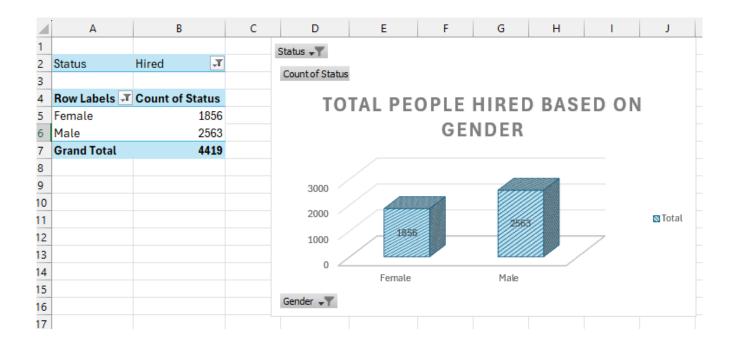
Given Dataset



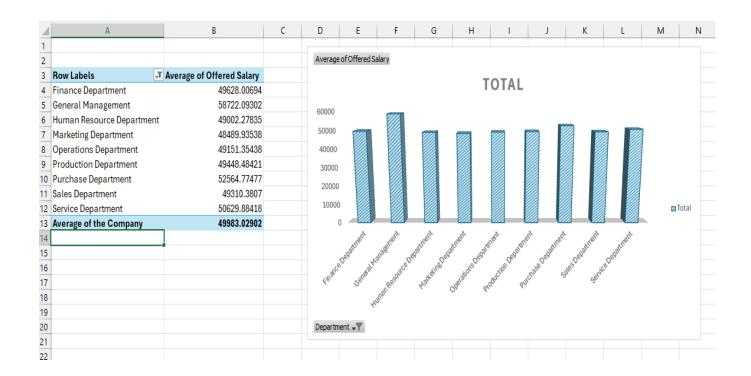
Link:

https://docs.google.com/spreadsheets/d/1xlGpl_RUjyVdKzHmo 8cMn-v_zh69kGUrHJiYof8S2Kc/edit?usp=sharing

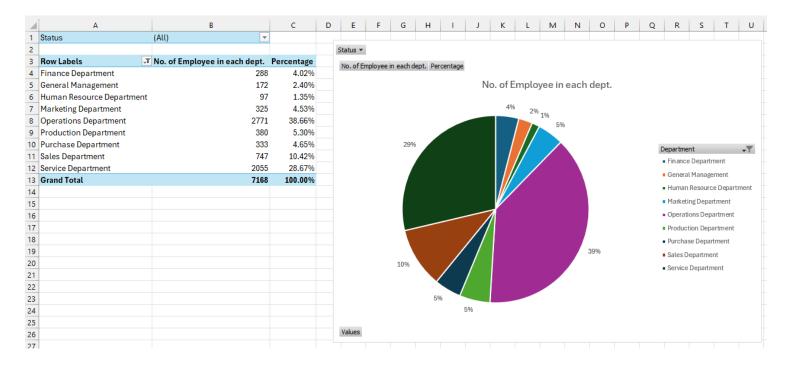
Question 1: Determine the gender distribution of hires. How many males and females have been hired by the company?



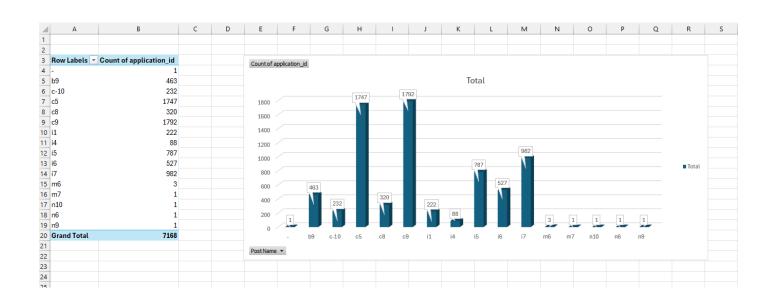
Question 2: What is the average salary offered by this company? Use Excel functions to calculate this.



Question 3: Use a pie chart, bar graph, or any other suitable visualization to show the proportion of people working in different departments.



Question 4: Use a chart or graph to represent the different position tiers within the company. This will help you understand the distribution of positions across different tiers.



Insights

Key insights include:

- Identified gender distribution patterns in the hiring
- Calculated and analyzed the average salary offered by the company
- Created salary distribution classes to understand compensation structures
- Visualized the proportion of employees across different departments
- Mapped out the distribution of position tiers within the company

Result

This project significantly enhanced my understanding of the hiring processes. By analyzing various aspects of the hiring data, I've been able to:

- Gain clarity on the workforce diversity in terms of gender
- Understand the salary competitiveness in the market
- Identify potential imbalances in departmental staffing
- Recognize the structure of the position tiers

These insights provide a data-driven foundation for improving the hiring strategies, addressing any imbalances, and making more informed decisions in future recruitment efforts. The project has equipped the HR and management teams with valuable information to optimize the hiring processes and workforce planning.