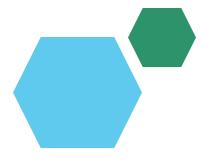
Employee Data Analysis using Excel





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PROJECT TITLE



AGENDA

- 1.Problem Statement
- 2. Project Overview
- 3.End Users
- 4. Our Solution and Proposition
- 5.Dataset Description
- 6.Modelling Approach
- 7. Results and Discussion
- 8. Conclusion

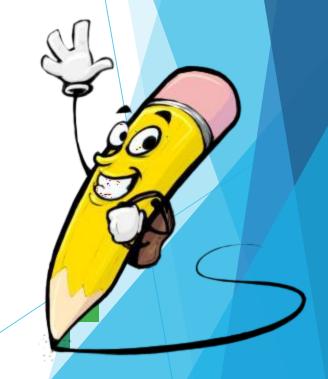


PROBLEM STATEMENT

- Problem Statement: "As a compensation analyst, I have been tasked with analyzing the salary and compensation data of our company's employees to identify trends, disparities, and areas for improvement.
- The data is currently stored in an Excel spreadsheet and includes variables such as employee ID, job title, department, location, salary, benefits, and bonus. My goal is to use Excel data modeling techniques to:-
- Clean and preprocess the data- Develop a data model that
 accurately reflects the compensation structure- Analyze the data
 to identify trends and disparities in salary and compensation Develop recommendations for adjusting the compensation
 structure to ensure equity and competitiveness

PROJECT OVERVIEW

- **Objective:-** Analyze employee salary and compensation data to identify trends, disparities, and areas for improvement- Develop a data-driven approach to inform compensation decisions and ensure equity and competitiveness
- Scope:- Collect and clean employee data from HR systems and other sources- Develop an Excel data model to analyze salary and compensation data- Identify key metrics and KPIs to measure compensation effectiveness- Analyze data to identify trends, disparities, and areas for improvement-Develop recommendations for adjusting the compensation structure- Present findings and recommendations to stakeholders



WHO ARE THE END USERS?

- **1. HR Professionals:** To analyze and manage employee compensation, identify trends, and make data-driven decisions
- 2. **Compensation Analysts:** To design and implement effective compensation plans, conduct market research, and ensure equity.
- 3. **Financial Analysts:** To understand salary expenses, forecast budgets, and optimize resource allocation.
- 4. **Business Leaders:** To make informed decisions about staffing, budgeting, and talent management.
- 5. **Operations Managers:** To streamline processes, identify areas for improvement, and manage labor cost

OUR SOLUTION AND ITS VALUE PROPOSITION



Identify the Problem:



- •Understand the need: What specific issue or challenge does your solution address? For example, if your solution is a software product, it might solve problems related to inefficiency, high costs, or lack of scalability.
- •Target audience: Who is experiencing this problem? Understand the demographics, pain points, and needs of your target market.

Dataset Description

Data Collection Method:

•Explain how the data was collected. Mention whether it's self-reported, generated through surveys, sourced from company records, etc. Example: "Data was collected through HR systems and includes payroll records, performance ratings, and departmental assignments.

Data Structure:

Describe the structure of the dataset, including the number of rows and columns, and any hierarchical relationships. Example: "The dataset consists of 5,000 rows and 12 columns, with each row representing an individual employee."

THE "WOW" IN OUR SOLUTION

Automated Insights and Reports

•Why it's "Wow": Automating the generation of compensation reports and insights saves significant time and ensures consistency. Users can make informed decisions faster, which is crucial in dynamic business environments.

Customizable Dashboards

Why it's "Wow": The ability to create customized dashboards that provide real-time insights into salary trends, disparities, and budget forecasting is highly valuable. It allows decision-makers to have a clear, visual understanding of their compensation data at a glance.

Scenario Modeling with What-If Analysis

Why it's "Wow": Offering tools to model various compensation scenarios, such as salary increases, bonus adjustments, or changes in benefits, gives HR professionals the power to predict outcomes and make proactive decisions. This capability can lead to more strategic and data-driven compensation planning.



MODELLING

Data Preparation

- •Input Variables: Identify key variables such as base salary, bonuses, benefits, overtime, and any other forms of compensation. Collect historical data for these variables.
- •Assumptions: Define any assumptions, like annual salary increases, bonus percentages, or benefit costs, that will feed into your model.

Forecasting

• Trend Analysis:

Use historical data to forecast future compensation trends with linear regression or Excel's Forecast function. This could include projecting salary increases over time.

• Budgeting Models:

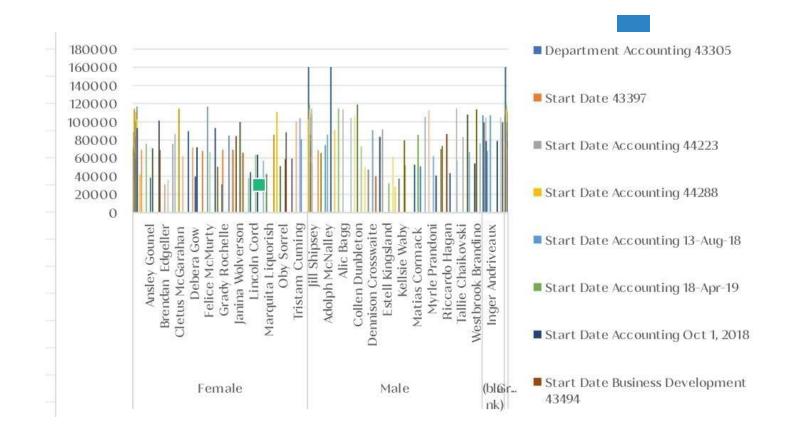
Create models to project total compensation expenses for the next year or several years, based on current data and assumptions

Benchmarking

External Benchmark Models:

Integrate external data sources to benchmark your salary data against industry standards. Use VLOOKUP or INDEX-MATCH to compare your internal data with market data

RESULTS



conclusion

Data Collection and Organization:

- •Collecting detailed employee compensation data, including salaries, bonuses, benefits, and other remuneration.
- •Organizing this data in Excel in a structured format, often using tables, to ensure it's easy to analyze.

• Benchmarking:

Comparing internal compensation data with external market benchmarks to ensure competitive pay structures.

Adjusting salaries and benefits to align with industry standards or company goals.

Forecasting and Budgeting:

Predicting future compensation costs based on historical data and projected changes (e.g., planned salary increases or hiring).

Creating budgets for compensation expenses and aligning them with organizational financial planning.