

EMPLOYEE DATA ANALYSIS USING EXCEL

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PROJECT TITLE

- **Employee Performance Analysis
Using Excel**

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

- **Develop an Excel-based solution to analyze employee data, focusing on key metrics such as demographics, tenure, job roles, and performance.**

PROJECT OVERVIEW

- **The project involves creating an Excel-based tool for comprehensive employee data analysis. This tool will consolidate various employee data points, such as demographics, job roles, tenure, and performance metrics, into a structured format. By utilizing Excel's capabilities, including pivot tables, charts, and advanced formulas, the tool will allow users to analyze and visualize trends, patterns, and key metrics within the workforce.**

WHO ARE THE END USERS

- **1. Human Resources (HR) Professionals***: To monitor workforce metrics, develop retention strategies, and support diversity and inclusion initiatives.
- **2. *Managers and Team Leaders***: To assess team performance, identify areas for development, and make informed decisions on promotions, training, and resource allocation.
- **3. *Executives and Senior Management***: To gain insights into overall organizational health, track key performance indicators, and align HR strategies with business goals.
- **4. *Data Analysts***: To further analyze employee data, create reports, and support HR with advanced data insights and trends.

OUR SOLUTION AND ITS VALUE PROPOSITION

- Filtering – missing values
- Conditional formatting- blank values
- Pivot table
- Chart

DATASET DESCRIPTION

- **Kaggle-employee data set**
- **26 features**
- **9 features**
- **Employee id –numerical**
- **Gender-male, female**
- **Business unit**
- **Employee type**
- **Status**
- **Performance**
- **Rating –num**

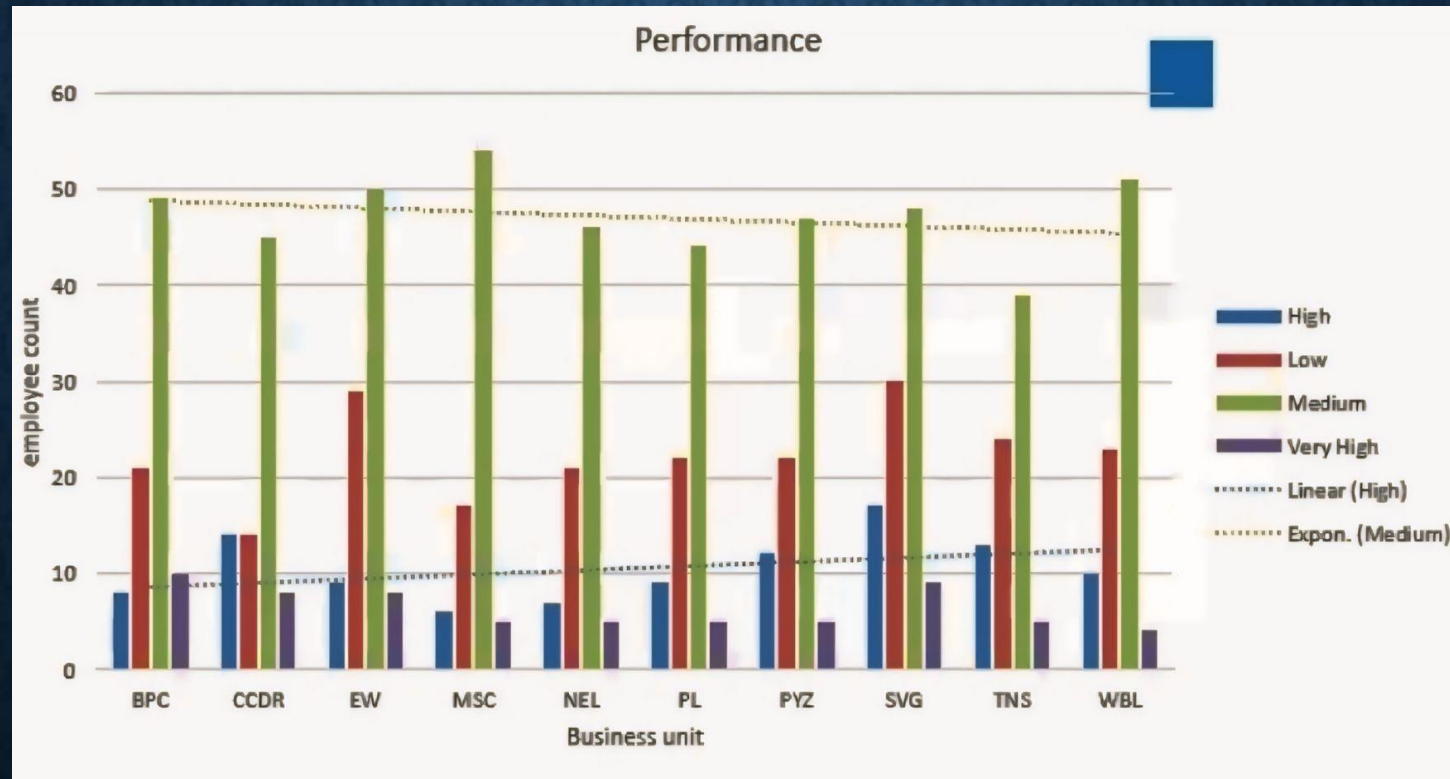
THE “WOW” IN OUR SOLUTION

- The "WOW" factor in our Excel-based employee data analysis tool lies in its ability to transform complex, disparate employee data into actionable insights through an intuitive and user-friendly interface. Key highlights include:
 - 1. ***Interactive Dashboards***: Dynamic, visually appealing dashboards that allow users to instantly visualize key metrics, such as turnover rates, diversity statistics, and performance trends, making data-driven decisions easier and faster.
 - 2. ***Automated Reporting***: The tool offers automated, customizable reports that update in real-time as new data is entered, saving time and reducing manual errors, while providing consistently up-to-date insights.

MODELLING

- Data collection
- Data cleaning- filtering
- Performance level
- Piot table
- Graph

RESULTS



CONCLUSION

- In conclusion, our Excel-based employee data analysis tool offers a powerful, user-friendly solution that transforms raw employee data into meaningful insights. By integrating advanced data visualization, automated reporting, and predictive analytics, the tool empowers HR professionals, managers, and executives to make informed, data-driven decisions that enhance workforce planning, improve employee retention, and support organizational growth. Its scalability and flexibility ensure that it remains a valuable asset as the organization evolves, making it an indispensable resource for optimizing employee management and driving overall business success.