

Employee Data Analysis using Excel

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PROJECT TITLE

**VISUALIZING EMPLOYEE
ATTENDANCE TRENDS WITH
EXCEL CHARTS**

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

The goal is to transform raw attendance data into visual formats using Excel charts to gain actionable insights. By creating charts such as

- Line graphs
- Bar charts
- Pie charts
- Heat maps
- Analyze trends over time
- Enforce work enhancement



PROJECT OVERVIEW

Project Purpose: The purpose of this project is to leverage Excel's powerful data visualization tools to transform raw employee attendance data into insightful and actionable visual formats. By creating various Excel charts, such as line graphs, bar charts, pie charts, and heat maps, the project aims to provide a clearer understanding of attendance patterns, identify potential issues, and support data-driven decision-making within the organization.

OBJECTIVE

- Enhance Data Interpretation
- Identify Attendance Patterns
- Chart Creation
- Analysis and Interpretation



WHO ARE THE END USERS?

The end users of an visualising employee attendance trends with excel charts within an organization. The users are

1. HR Managers
2. Department Heads/Managers
3. Executives/Senior Leadership
4. Employees
5. Training
6. Compliance Officers
7. Analytics and Data Science Team

OUR SOLUTION AND ITS VALUE PROPOSITION



These visualizations include line charts for trend analysis, bar charts for comparisons, pie charts for understanding proportions, and heat maps for identifying patterns such as peak absenteeism periods or chronic lateness.

- Cost-Effective and Accessible
- Customization and Flexibility
- Clear Communication and Transparency
- Data-Driven HR Strategies

Dataset Description

The dataset for the Performance Management Dashboard is designed to capture and analyze key aspects of employee performance. It consists of multiple data fields that provide a comprehensive view of each employee's performance metrics. Here's a detailed description of the dataset structure and the significance of each data field:

Employee ID

1. Name
2. Gender
3. Department
4. Salary
5. Start date
6. FTE
7. Employee type
8. Work location

THE "WOW" IN OUR SOLUTION

The database for the Performance Management Dashboard is designed to visualizing the attendance employee trends with excel charts . It consists of multiple data fields that provide a comprehensive view of each employee's performances are:

1. Automated Data Updates:
2. Advanced Predictive Analytics
3. Customizable Alerts and Notifications
4. Data-Driven HR Strategies
5. High Customization Potential:

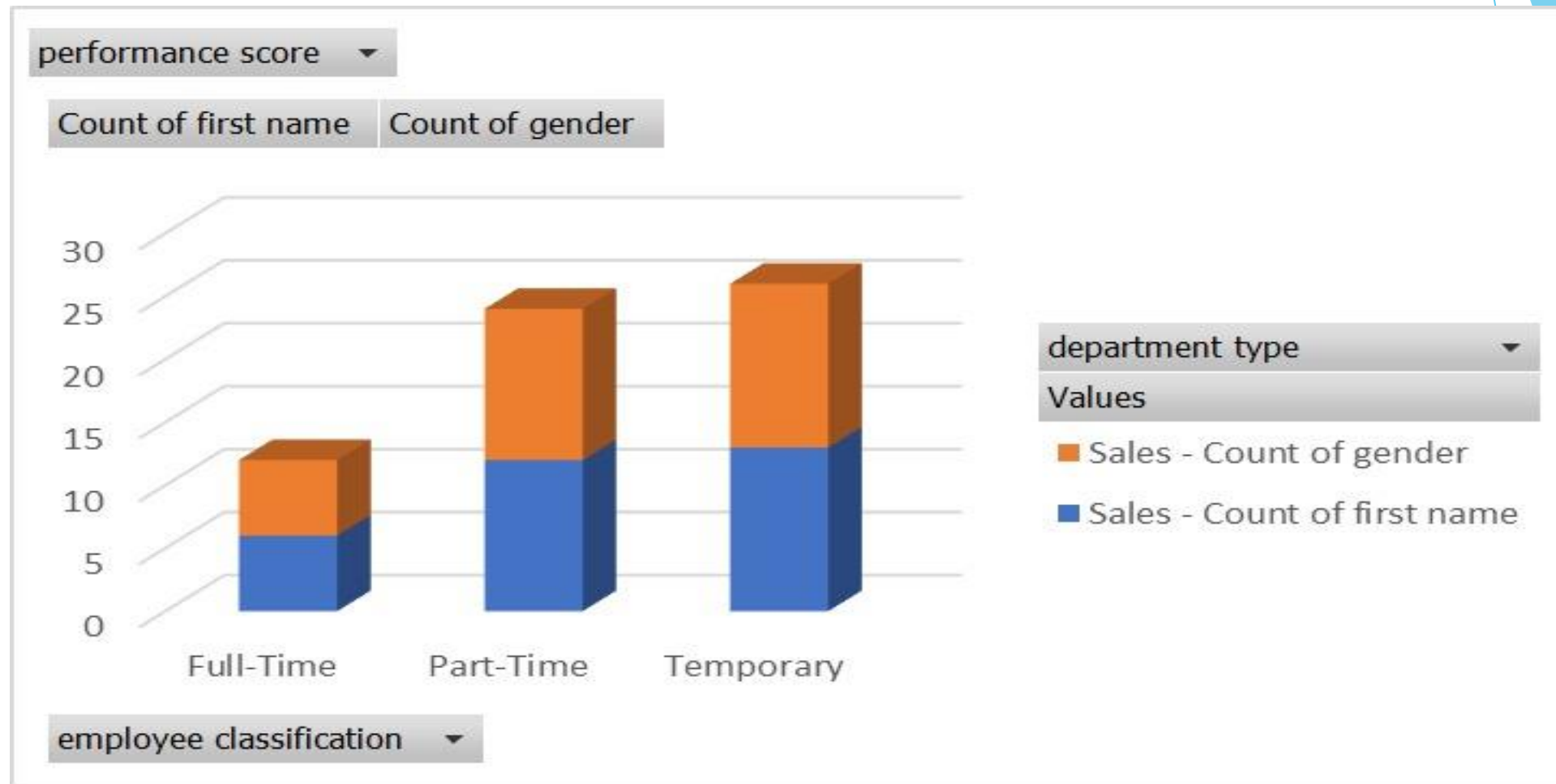


MODELLING

To visualize attendance employee performance data using a excel chart in Excel, follow these steps after setting up your data and creating a trends with excel charts

1. Prepare data
2. Organize data
3. Insert PivotTable
4. Build Charts for Visualization
5. Create a Dashboard
6. Analyze and Interpret data
7. Present and share

RESULTS



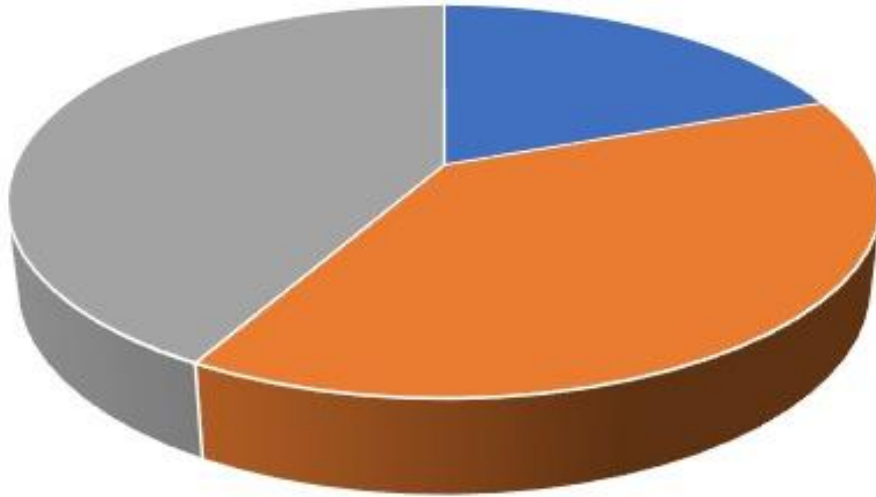
RESULT

performance score ▼

Count of first name

Count of gender

Sales - Count of first name



employee classification ▼

- Full-Time
- Part-Time
- Temporary

department type ▼

Values

conclusion

Visualizing employee attendance trends with Excel charts enables organizations to effectively monitor and manage attendance, leading to improved operational efficiency, better decision-making, and enhanced communication. By leveraging Excel's charting capabilities, businesses can turn raw data into a strategic asset, driving improvements in workforce productivity and engagement.