EMPLOYEE DATA ANALYSIS USING EXCEL

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PROJECT TITLE

EMPLOYEE LOCATION 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

- Employee location analysis is conducted to optimize resource allocation, improve efficiency, support strategic decision-making, enhance communication, and ensure compliance with legal and tax regulations. It helps organizations understand workforce distribution, manage remote work effectively, and plan for future growth.

PROJECT OVERVIEW

- An employee location analysis project aims to assess where employees are based to optimize operations, improve resource allocation, enhance collaboration, and ensure compliance. This analysis helps organizations make data-driven decisions on office space, remote work policies, and overall workforce management.

WHO ARE THE END USERS?

The end use of employe date analysis are,

- HR teams
- Finance departments
- Operation teams
- IT departments
- Real estate and facilities
- Legal and compliance teams

OUR SOLUTION AND IT'S VALUE PROPOSITION

The techniques used in employees data Analysis using excel are,

- Pivot table
- Pivot chart
- Data visualization

DATASET DESCRIPTION

The features in the data set includes,

- ID – Number type

- DEPT_NAME – TEXT TYPE

- LOCATION – TEXT TYPE

- TRAVEL_REQUIRED – TEXT TYPE

THE WOW IN OUR SOLUTION

- The wow factor in this Project is the Query and Connections tool. It is a powerful tool, with Which the users can transform data by Filtering, sorting and merging it, all without Writing code. The connections tool helps Manage these data sources, which allows the Users to refresh and update their data easily, Ensuring that the reports always reflect the Latest information. This tool is essential for Automating data updates, consolidating Information from multiple sources, and enabling Advanced analysis within excel.

MODELLING

Data Collection

 The first step in preparing a Employee Data Analysis is
to collect the data. The data can be collected by using a
website named KAGGLE.

Feature Selection

 After Collecting the data, the dataset may have
Unwanted columns, irrelevant to the analysis. So the
Columns required for the analyis must be sorted out. Besides
That there were many rows in the dataset downloaded from
The kaggle website. Thus the excess number of rows were
Deleted for convenience

MODELING

PIVOT TABLE

Pivot table allow you to sort, filter, and aggregate dataIn various ways, helping you focus on what is most relevant.They simplify complex data which makes it easier to makeData analysis.
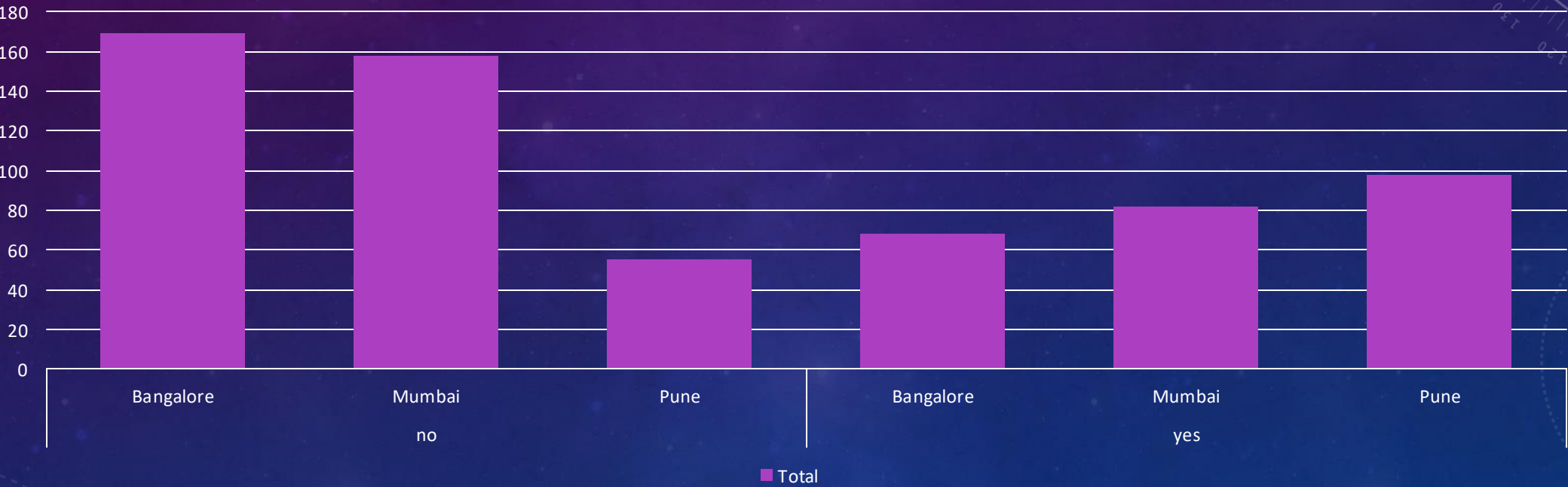
MODELING

PIVOT CHART

A pivot chart is a visual representation of the
Data summarized in a pivot table. It allows you to
Easily see trends, patterns, and comparisons by
Displaying the data graphically, such as through bar charts
Line graphs, or pie charts. Pivot charts are interactive, so you
Can quickly adjust what data is displayed by changing the
Filters Or categories in the pivot table.

DATA VISUALISATION

For pictorial representation of the data, the
Required fields have to be selected and the graph
Or charts should be chose of our choice and
Have to be placed in the required location.

RESULTS

Total

CONCLUSION

In conclusion, optimizing employee location enhances operational efficiency and job satisfaction. Strategic placement based on role requirements and employee preferences can improve productivity and reduce costs.