Employee Data Analysis using Excel

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PROJECT TITLE

Employee performance based on gender, department, FTE

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

3

PROBLEM STATEMENT

• Difficulty in tracking and managing employee information
• Inefficient data analysis and reporting
• Lack of a centralised system for employee data management

PROJECT OVERVIEW

- **Design and develop a database management system for employee information**
- **Store employee data in a structured and organized manner**
- **Provide insights and analytics for informed decision-making**

WHO ARE THE END USERS?

- HUMAN RESOURCE DEPARTMENTS
- MANAGEMENT AND LEADERSHIP
- TEAM LEADERS AND SUPERVISORS
- EMPLOYEES
- EXECUTIVE LEADERSHIP
- BUSINESS ANALYSTS
- RECRUITERS

OUR SOLUTION AND ITS VALUE PROPOSITION

FILTERING- REMOVE VALUES

PIVOT TABLE - SUMMARY OF EMPLOYEE PERFORMANCE

BAR DIAGRAM – FINAL REPORT

Dataset Description

1. EMPLOYEE DATA SET-KAGGLE

2. EATURES IN EXCEL:
- EMPLOYEE ID-ALPHANUMERIC(TEXT)
- NAME- ALPHABETICAL(TEXT)
- GENDER- ALPHABETICAL(TEXT)
- DEPARTMENT - ALPHABETICAL(TEXT)
- SALARY - NUMERICAL
- START DATE - ALPHANUMERIC(TEXT)
- FTE- NUMERICAL
- EMPLOYEE TYPE- ALPHABETICAL(TEXT)
- EMPLOYEE LOCATION- ALPHABETICAL(TEXT)

3. FEATURES USED:
- DEPARTMENT - ALPHABETICAL(TEXT)
- FTE- NUMERICAL
- EMPLOYEE TYPE- ALPHABETICAL(TEXT)

THE "WOW" IN OUR SOLUTION

1. Advanced data analytics and visualization

2. Automated reporting insights

3. User- friendly interface for easy data management

MODELLING

- **STEP -1**

    DOWNLOAD THE EMPLOYEE DATASET AND OPEN THE EMPLOYEE DATASET IN EXCEL.
- **STEP -2**

    SELECT THE ENTIRE DATA AND CLICK ON DATA AND CLICK ON FILTER OPTION.
- **STEP -3**

    SORT FTP FROM A TO Z ORDER.
- **STEP -4**

    SELECT THE ENTIRE DATA AND CLICK ON INSERT AND CLICK ON PIVOT TABLE TO CREATE PIVOT TABLE.
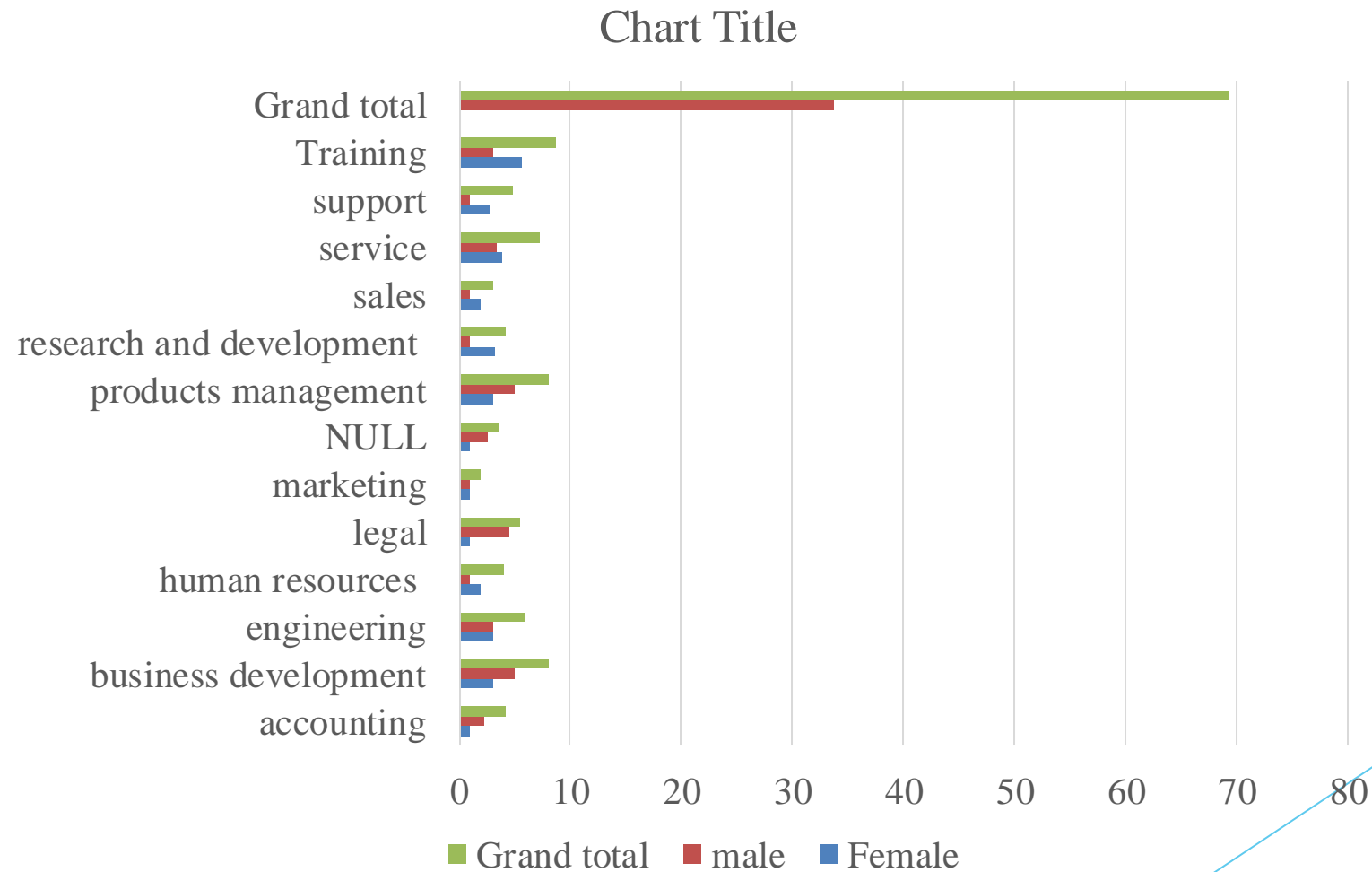
- **STEP -5**
    DRAG THE NEEDED DATA AND CREATE A PIVOT TABLE.
- **STEP -6**
    SELECT THE PIVOT TABLE AND CLICK ON **INSERT.**
- **STEP-7**
    NOW CLICK ON THE CHART THAT YOU WANT.
- **STEP -8**
    THE CHART IS CREATED.

RESULTS
1. TABLE

SUM OF FTE	DEPARTMENT													
gender	accounting	business development	engineering	human resources	legal	marketing	NULL	products management	research and development	sales	service	support	Training	Grand total
	0.9			1									1	2.9
Female	1	3	3	2	1	1	1	3	3.2	2	3.8	2.8	5.7	32.5
male	2.3	5	3	1	4.5	1	2.6	5	1	1	3.4	1	3	33.8
Grand total	4.2	8.0	6	4	5.5	2	3.6	8	4.2	3	7.2	4.8	8.7	69.2

2. BAR DIAGRAM

conclusion

1. The employee database management system provides a comprehensive solution for employee data management

2. Improved data analysis and reporting capabilities

3. Enhanced decision –making with data–driven insights.