

# Employee Data Analysis using Excel



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# PROJECT TITLE

**Employee Performance Analysis  
Based On Departments,  
Employee Type And FTE 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

Kaggle is a platform for data science and machine learning. It offers datasets, competitions, and tools to help users practice, build, and deploy models. It's widely used for learning, sharing code, and collaborating on data-driven projects.



# PROJECT OVERVIEW

**Kaggle benefits include access to diverse datasets, the ability to participate in competitive challenges, opportunities for learning and improving data science skills, and collaboration with a global community of data scientists and machine learning enthusiasts.**



# 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

GARPH DIAGRAM - FINAL REPORT



# **Dataset Description**

**Employee ID: GEETHA**

**Age: 30**

**Gender: female**

**Years at Company: 10 years**

**Job Role: finance and media**

**Number of Promotions: 30**

**Distance from Home: 30 miles**

**Job Level: senior**

**Leadership Opportunities: yes**

**Company Reputation: excellent**

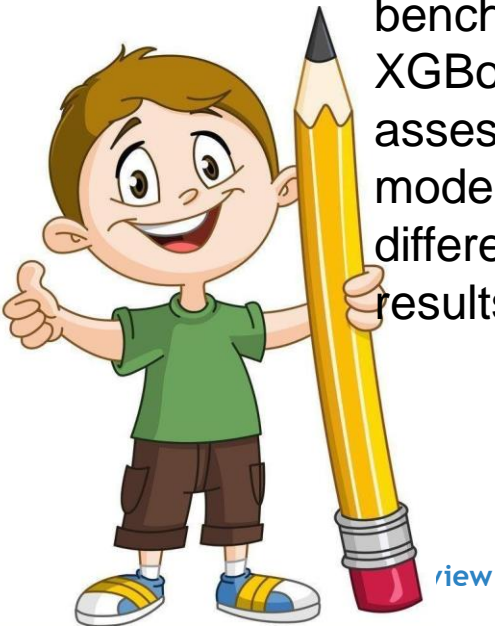
**Employee Recognition: high**



# THE "WOW" IN OUR SOLUTION



To solve a Kaggle competition, start by thoroughly understanding the problem statement, the data provided, and the evaluation metric. Begin with data cleaning and preprocessing, addressing missing values, and transforming features as needed. Perform Exploratory Data Analysis (EDA) to uncover patterns, relationships, and potential feature engineering opportunities. Train a baseline model to establish a performance benchmark, then experiment with more advanced models such as XGBoost or neural networks, and use techniques like cross-validation to assess their performance. Hyperparameter tuning is crucial to optimize model performance. Once satisfied with the model, consider ensembling different models to boost accuracy. Submit your predictions, analyse the results on the leaderboard, and iterate to refine your approach.



# MODELLING

## STEP -1

**DOWNLOAD THE EMPLOYEE DATASET IN KAGGLE**

## STEP -2

**SELECT THE ENTIRE DATA AND CLICK ON DATA AND CLICK ON FILTER OPTION.**

## STEP -3

**FILTER 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.**

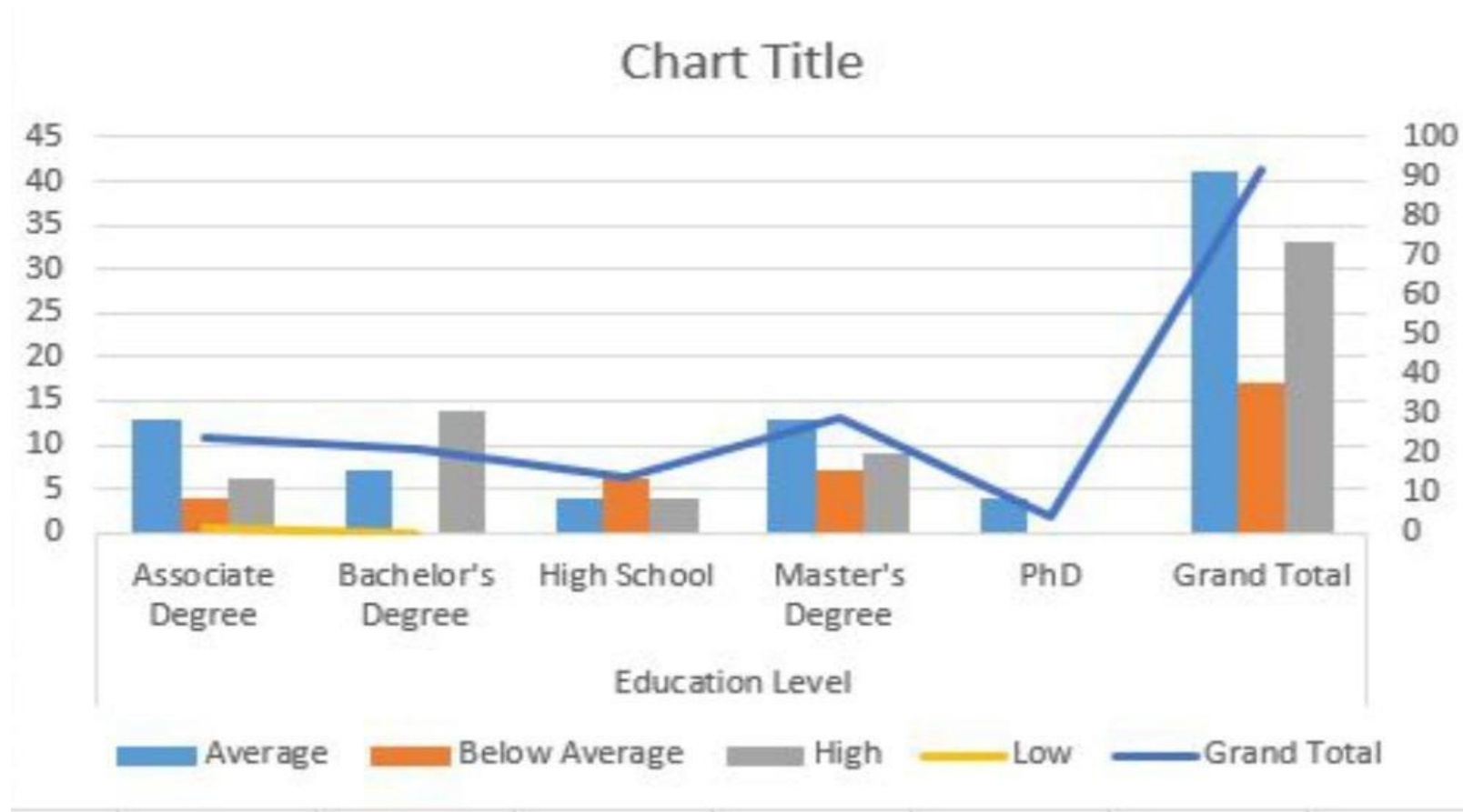
- **STEP-5**  
**DRAG THE NEEDED DATA AND CREATE A PIVOT TABLE.**
- **STEP-6**  
**SELECT THE PIVOT TABLE AND CLICK ON INSERT.**
- **STEP-7**  
**NOW CLICK ON THE CHART THAT YOU WANT.**
- **STEP-8**  
**THE CHART IS CREATED.**

# RESULTS

## 1.TABLE

SUM of Number of Depende nts Performa nce Rating	Educatio n Level					
	Associate Degree	Bachelor' s Degree	High School	Master's Degree	PhD	Grand Total
Average	13	7	4	13	4	41
Below Average	4	0	6	7	0	17
High	6	14	4	9		33
Low	1	0				1
<b>Grand Total</b>	<b>24</b>	<b>21</b>	<b>14</b>	<b>29</b>	<b>4</b>	<b>92</b>

## 2. GRAPH DIAGRAM



# **conclusion**

**Could you clarify what you mean by "Kaggle conclusion"? Are you asking about how to write a conclusion for a Kaggle competition, project, or analysis, or do you need information on something specific related to Kaggle? Let me know so I can assist you better!**