

Project Problem Statement

Employee Performance and Retention Analysis

Objective:

To perform a comprehensive data analysis on employee performance metrics and retention trends to identify patterns that can help improve organizational effectiveness and employee satisfaction.

Scope:

This project involves the use of Python for exploratory data analysis (EDA) on structured employee data. The key tasks include identifying performance drivers, analyzing departmental trends, and detecting early signs of attrition.

Deliverables:

- A Jupyter Notebook detailing the full EDA process.
- Visualizations highlighting key patterns in performance and retention.
- Strategic insights and recommendations for HR decision-makers.

Tools & Technologies:

- Python (Pandas, NumPy, Matplotlib, Seaborn)
- Jupyter Notebook

Outcome:

The analysis reveals key performance and retention trends, providing actionable insights to optimize workforce planning and improve employee engagement.