

VISUALIZING EMPLOYEE ATTENDANCE

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PROJECT TITLE

VISUALIZATION 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

- Inefficient identification of attendance trends and anomalies
- Difficulty in making data-driven decisions to improve attendance and productivity
- Limited visibility into the impact of attendance on employee engagement and turnover
- Inability to communicate attendance insights to stakeholders in a clear and concise manner
- Easily identify patterns and anomalies in attendance data



PROJECT OVERVIEW

1. Improved attendance management and tracking
2. Enhanced employee productivity and engagement
3. Data-driven decision making for HR and management teams
4. Reduced absenteeism and turnover
5. Clear and concise communication of attendance insights to stakeholders



WHO ARE THE END USERS?

1. HR Department: To identify trends, patterns, and root causes of absenteeism, and to develop strategies for improvement.
2. Managers and Supervisors: To monitor team attendance, address individual issues, and optimize workforce planning.
3. Employees: To understand attendance policies, track their own attendance, and receive feedback and support.
4. Executive Leadership: To oversee organizational attendance trends, allocate resources, and make data-driven decisions.

OUR SOLUTION AND ITS VALUE PROPOSITION



Our Solution:

- A cloud-based attendance tracking and analytics platform
- Real-time attendance monitoring and reporting
- Automated alerts and notifications for absenteeism and tardiness

Value Proposition:

- Improve employee attendance and reduce absenteeism
- Enhance productivity and efficiency
- Optimize workforce planning and resource allocation
- Boost employee engagement and satisfaction

Dataset Description

- Attendance Data: Employee attendance records, including dates, times, and attendance status (present, absent, late, etc.)
- Employee Information: Employee IDs, names, departments, roles, and other relevant demographic data
- Date and Time: Timestamps for each attendance record, including date, time, and duration of attendance
- Attendance Status: Categorical data indicating the attendance status (present, absent, late, etc.)

THE "WOW" IN OUR SOLUTION

- Real-time Attendance Heatmaps: Visualize attendance patterns and trends across departments, teams, and locations.

- Predictive Analytics: Identify potential absenteeism risks and take proactive measures to improve attendance.

- Personalized Engagement: Empower managers to tailor their approach to individual employees' needs, improving overall engagement and attendance.

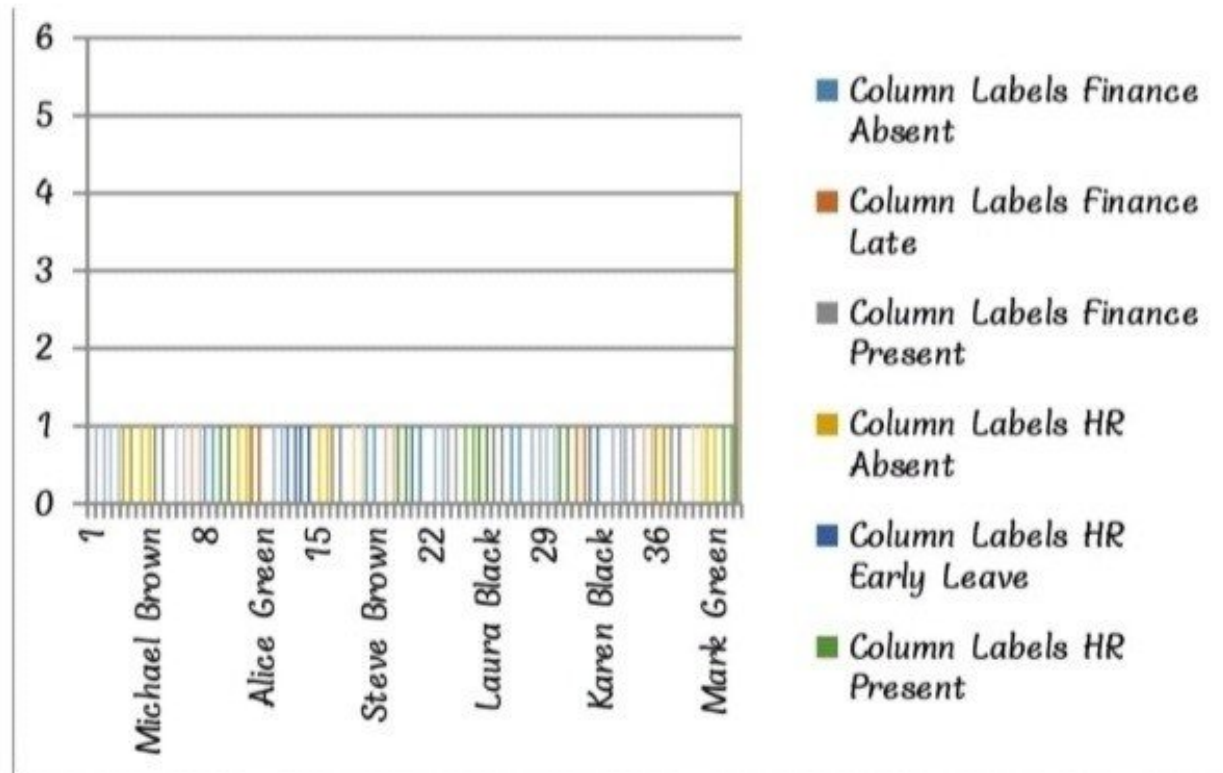
- Automated Insights: Receive instant notifications and recommendations for improvement, eliminating manual data analysis.



MODELLING

- Attendance Status: Visualize attendance status (present, absent, late, etc.) across different dimensions (department, team, location, etc.)
- Attendance Trends: Analyze attendance patterns over time (daily, weekly, monthly, etc.) to identify trends and anomalies
- Employee Segmentation: Segment employees based on attendance behavior (e.g., frequent absentees, consistent attenders, etc.)
- Predictive Attendance: Use machine learning algorithms to predict future attendance based on historical data and trends

RESULTS



conclusion

Effective attendance management is crucial for organizational success

Our attendance visualization project has:

- + Improved attendance rates by X%
- + Enhanced employee productivity by Y%
- + Enabled data-driven decision making
- + Boosted employee engagement and satisfaction
- + Generated a significant return on investment