Employee Turnover Analysis

Key Insights and Strategic Recommendations

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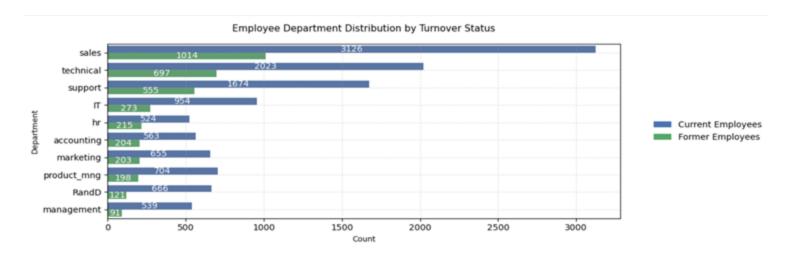
Key Findings - Overview

Overall turnover rate: 24%

Department-Specific Risks:

Highest turnover: Sales, Technical, Support

• Lowest turnover: Management

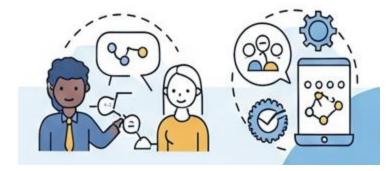


Talent Risk Management Strategy - Department-Specific Strategies

Sales: Compensation structure optimization

Technical: Professional development path

Support: Job satisfaction enhancement

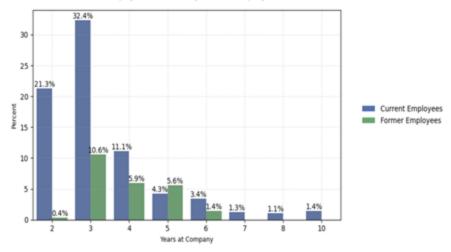


Key Findings - Tenure Analysis

Critical Time Points:

- Peak turnover: 3-5 years tenure
- By year 5, the proportion of departing employees (5.6%) exceeds current employees (4.3%)
- The 5-year mark is a high-risk period for employee turnover
- Very low retention rates (1-3%) for employees with 6-10 years tenure, which indicates significant challenges in retaining experienced talent long-term





Talent Retention Strategy

- Focus retention efforts on employees in the 3-5 year range
- Implement proactive intervention strategies before year 3
- Develop clear long-term career progression paths to improve senior employee retention



Key Findings -Three High-Risk Employee Profiles

High Performance but Dissatisfied (Burnout Type):

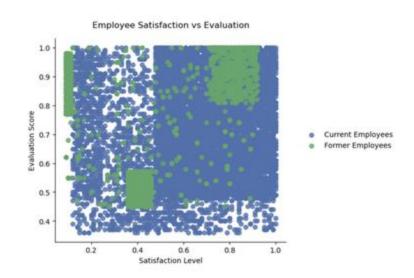
- Evaluation >0.75 but satisfaction <0.2
- Likely overworked

Low Performance and Dissatisfied (Struggling Type):

- Evaluation < 0.58, satisfaction 0.35-0.45
- Need intervention

High Performance and Satisfied (Opportunity Type):

- Evaluation >0.8, satisfaction >0.7
- Flight risk for better opportunities



Talent Risk Management Strategy - Stratified Management Approach

Burnout Type: Workload adjustment, leave planning

Struggling Type: Training & development, role adjustment

Opportunity Type: Career advancement, key positions



Predictive Model

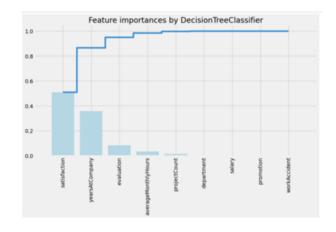
Model Important Features:

- Employee satisfaction (satisfaction)
- tenure (yearsAtCompany)
- employee performance review (evaluation)

Turnover score calculation methodology:

Employee Turnover Score = Satisfaction*(-3.769022) + Evaluation*(0.207596)+yearsAtCompany*(0.170145)+0.181896

Output (score) would predict the chance of leaving the company



Optimization terminated successfully.

Current function value: 0.467233

Iterations 6

satisfaction -3.769022 evaluation 0.207596 yearsAtCompany 0.170145 int 0.181896

dtype: float64

Early Warning System

Risk Score Zones:

- High Risk Zone Employees within this zone are considered to have the highest chance of turnover. Action should be taken immediately.
- Medium Risk Zone Employees within this zone are at risk of turnover. Action should be taken and monitored accordingly.
- Low Risk Zone Employees within this zone are too be taken into consideration of potential turnover. This is more of a longterm track.
- Safe Zone Employees within this zone are considered safe.

By identifying high-risk employees, we can implement targeted retention programs.

High Risk (Score > 90%)

Medium Risk (60%< Score <= 90%)

Low Risk (20% < Score <= 60%)

Safe (Score <= 20%)

Early Warning System-Example

If one employee was in these employee values into the equation:

Satisfaction: 0.7

Evaluation: 0.8

YearsAtCompany: 3

Employee Turnover Score = (0.7)*(-3.769022) + (0.8)*(0.207596) + (3)*(0.170145) + 0.181896 =**14%**

Result: The employee has **14%** chance of leaving the company. This information informs us that the employee is in the **safe zone** that he/she would be considered not likely to leave.



Action Plan

Short-term Actions (1-3 months):

- 1:1 interviews with high-risk employees
- Department manager training program
- Regular satisfaction survey implementation



Action Plan

Long-term Initiatives (6-12 months):

- Compensation structure optimization
- Career path enhancement
- Performance evaluation system improvement

