

Python Data Analytics Project Problem Statement

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Employee Attrition Problem

Click here to download the Project Data File (<http://139.59.22.214/wp-content/uploads/2018/05/TakenMind-Python-Analytics-Problem-case-study-1-1.xlsx>).

Description:

The data is for company X which is trying to control attrition. There are two sets of data: "Existing employees" and "Employees who have left". Following attributes are available for every employee.
Satisfaction Level
Last evaluation
Number of projects
Average monthly hours
Time spent at the company
Whether they have had a work accident
Whether they have had a promotion in the last 5 years
Departments (column sales)
Salary
Whether the employee has left
Objective
What type of employees are leaving? Determine which employees are prone to leave next. Present your results in the presentation sheet's presentation area.

EXISTING EMPLOYEE TABLE: (HEAD)

Emp ID	satisfaction_level	last_evaluation	number_project	average_monthly_hours	time_spend_company	Work_accident	promotion_last_5years	dept	salary
2001	0.58	0.74	4	215	3	0	0	sales	low
2002	0.82	0.67	2	202	3	0	0	sales	low
2003	0.45	0.69	5	193	3	0	0	sales	low
2004	0.78	0.82	5	247	3	0	0	sales	low

EX-EMPLOYEE TABLE : (HEAD)

Emp ID	satisfaction_level	last_evaluation	number_project	average_monthly_hours	time_spend_company	Work_accident	promotion_last_5years	dept	salary
1	0.38	0.53	2	157	3	0	0	sales	low
2	0.8	0.86	5	262	6	0	0	sales	medium
3	0.11	0.88	7	272	4	0	0	sales	medium
4	0.72	0.87	5	223	5	0	0	sales	low

OUTPUT OF THE PROJECT:

1. CREATE A MS-PRESENTATION (MAXIMUM 12 SLIDES) EXPLAINING THE REASONS EMPLOYEE ARE PRONE TO LEAVE AFTER ANALYSING THIS DATA SET.
2. EXPLAIN WHAT TYPE OF EMPLOYEE ARE PRONE TO LEAVE THE COMPANY.
3. PREDICT THE FUTURE EMPLOYEE WHO WOULD TEND TO LEAVE THE COMPANY.