

Scenario Based Learning

A company works with number of employees, all the works are dependents on the employees. Even if one of the employees resign the job immediately then assigned work will be not finished at the time, so delivery of the project to the clients will be delayed. Company planned to make solution for this, they want to know which employee may resign next. If they know previously, they can arrange alternative to avoid such problem. As an AI Engineer you must give Solution to this.

- A) How will you achieve this in AI?
- B) Find out the 3 -Stage of Problem Identification
- C) Name the project
- D) Create the dummy Dataset.

A)How will you achieve this in AI?

Gather historical data on employees, including details such as job roles, tenure, performance metrics, satisfaction surveys, past resignations, and any other relevant factors

B)Find out the 3 -Stage of Problem Identification

Stage-1 :

I choose to work in Machine Learning domain

Stage-2 :

The Learning Selection will be Supervised Learning

Stage-3 :

The output will be in Regression format.

C)Name the project:

This project is titled as "Notice period prediction"

D)Create the dummy Dataset

Employee ID	Tenure (months)	Performance Score	Salary (\$)	Satisfaction Score	Resigned
1	24	8.5	60000	4.2	0
2	12	7.9	55000	3.8	1
3	36	9.2	70000	4.5	0
4	6	6.5	48000	2.9	1
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