

Hope Artificial Intelligence

Scenario Based Learning

I'm learning Artificial Intelligence through Hope AI. Presently learning Machine Learning Regression. Give me your answer for the below problem identification assignment:

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) To achieve the task of predicting which employee may resign next, we can use Machine Learning Classification Algorithms.
- B) Stage 1: Machine Learning, Stage 2: Supervised, Stage 3: Classification
- C) Project Name: Employee Resignation Prediction
- D) Dummy Dataset: Here's an example of a dummy dataset with fictional data for illustration purposes:

Employee ID	Years of Experience	Salary (Rs)	Job Satisfaction (1-10)	Working Hours	Previous Job Changes	Resignation (0 - No, 1 - Yes)
1	5	60000	8	40	2	0
2	8	75000	7	45	1	0
3	3	50000	6	35	0	1
4	10	90000	9	50	3	0