

Hope Artificial Intelligence

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?**

To do this, we need to collect all the input and output data.

Input data can include things like employee ID, name, age, salary, years of experience, performance rating, manager rating, number of promotions, etc.

Output will be either 0 or 1, meaning whether the employee will resign or not.

Since both the input and output are numbers, machine learning can be used.

Because we already know both the input and output during training, it becomes supervised learning.

And since the output is 0 or 1, this problem is a classification problem.

B) **Find out the 3 -Stage of Problem Identification**

As I mentioned above Machine Learning->Supervised->Classification

C) **Name the project**

Employee Attrition Prediction

D) **Create the dummy Dataset.**



Dummy_Data.xlsx