

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.

Answer:

A) The goal is to predict which employees are likely to resign in the near future.

So, we need to collect historical data on employees such as experience, performance, job satisfaction and work history etc...

B) Stage 1: Machine Learning. (Numbers are the input)

Stage 2: Supervised Learning. (Input and Output well known)

Stage 3: Classification. (Resigned or not)

C) Employee Attrition Predictor.

D) Dummy Dataset

Employee ID	Age	Gender	Experience	Salary	Performance Score	Job Satisfaction	Resigned
E001	27	Male	3	55000	8	7	No
E002	34	Female	7	65000	6	9	No
E003	25	Male	2	50000	5	4	Yes
E004	40	Female	12	75000	9	8	No
E006	30	Male	4	45000	7	3	Yes