# PROBLEM IDENTIFICATION IN AI

1. The prediction of whether an employee will resign or not, is done here by considering factors such as work life balance (on a scale of 1 to 5), compensation & benefits (on a scale of 1 to 10) and job satisfaction (on a scale of 1 to 10) of employees. Here we assume the inputs are in the form of continuous variables.
2. Stage 1: Machine Learning

Stage 2: Supervised

Stage 3: Classification

1. Name: Employee resignation prediction
2. Mock data sheet:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Employee ID | Gender | Work Life Balance | Compensation and Benefits | Job Satisfaction | Resigned or not |
| 1 | M | 4 | 6 | 5 | Not resigned |
| 2 | F | 3 | 5 | 4 | Resigned |
| 3 | M | 5 | 7 | 6 | Not resigned |
| 4 | F | 2 | 4 | 3 | Resigned |
| 5 | M | 4 | 6 | 57 | Not resigned |
| 6 | F | 5 | 8 | 4 | Resigned |
| 7 | M | 3 | 5 | 6 | Resigned |
| 8 | F | 4 | 7 | 3 | Not resigned |
| 9 | M | 2 | 4 | 7 | Resigned |