Scenario based learning

1. Get the employees data from Company. Need to find who is going to resign from the given data.
2. 3 Stages
3. Domain: Machine learning
   1. Data will be in number or table (row/col) format.
4. Supervised learning:
   1. Requirement is clear
   2. We have input & output from the company
5. Classification:
   1. We need to just predict Yes or No (Resign or Not)
   2. It is a categorical value not continuous
6. Employee Resigning Prediction
7. Dummy data sheet

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Employee Name | Employee ID | Gender | Age | Date of Joining | Role | Department | Email ID | Contact number | Label |
| Aravind | 1001 | Male | 28 | 10/12/2018 | Senior Engineer | R&D | [Aravind@xyz.com](mailto:Aravind@xyz.com) | 1234567 | Working |
| Lakshmi | 1008 | Female | 55 | 1/3/2011 | Delivery Manager | R&D | Lakshmi@xyz.com | 8765765 | Working in notice period |
| Raja | 1901 | Male | 38 | 3/8/2015 | Analyst | Data Analytics | Raja@xyz.com | 8758747 | Resigned |
| Preethi | 2007 | Female | 35 | 3/10/2015 | Project lead | Engineering services | Preethi@xyz.com | 2543547 | Working |