1. Prediction
2. Stage 1: Machine Learning

2: Supervised Learning

3: Classification

1. Predicting Employee Resignation
2. Dataset

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Employee** **ID** | **Employee** **Name** | **Age** | **Gender** | **DOB** | **DOJ** | **Position** | **Salary** | **Marital** **Status** | **No**. **of** **children** | **Current** **Address** | **Rented**/**Purchased** **house** | **Distance** | **Promotion** | **Status**(**Output**) |
| 100 | Anand | 32 | Male | 15/10/1991 | 06/03/2016 | Accountant | 18000 | Married | 2 | Nagercoil | Rent | 3km | Accounts Manager | Not Resign |
| 101 | Selvam | 56 | Male | 01/04/1968 | 10/01/1999 | Assistant Manager | 20000 | Married | 2 | Kanyakumari | Purchased | 20km | No | Resign |
| 102 | Suresh | 36 | Male | 23/06/1987 | 07/05/2008 | Office Assistant | 12000 | Married | 1 | Nagercoil | Rent | 5km | No | Resign |
| 103 | Ashok | 43 | Male | 12/11/1980 | 17/12/2002 | Supervisor | 24000 | Married | 2 | Kottaram | Purchased | 15km | No | Not Resign |
| 104 | Banumathi | 45 | Female | 21/09/1978 | 24/02/2020 | Administrator | 14000 | Married | 2 | Kanyakumari | Rent | 18km | Manager | Not Resign |