

Solution 1:

- A) By analyzing the data set of Employees who are currently working, we can predict whether particular Employees are going to resign or not
- B) Step 1: Domain: Machine Learning (By using some Numbers-data set),
Step 2: Learning: Supervised (As input and output is very clear),
Step 3: Category: Classification
- C) Employees Retention Analysis / Prediction Status
- D) Dummy Data Sets

Name	Designation	Age	Years of Experience	Performance Rating(5)	Attributes Rating(10)	Retention Status
Ramesh	Analyst (Level 2)	24	2	4.6	6	Will Resign
Rajesh	Sr. Analyst (Level 3)	28	4	4.0	5	Will Resign
Ajay	Associate (Level 1)	22	0	3.0	3	Won't Resign
Vijay	Manager (Level 5)	35	8	4.2	7	Won't Resign

Solution 2:

- A) Analyze
- B) Step 1: Domain - Time Series
Step 2: Learning – Semi supervised Learning
Step 3: Category – Regression
- C) Past Employees Attrition Analysis Status
- D) Dummy Data Set

Name	Designation	Age	Years of Experience	Performance Rating	Attributes Rating(10)	Reason for Resigning
Raja	Analyst (Level 2)	25	2	4.2	7	Got Abroad Opportunity
Murali	Sr. Analyst (Level 3)	27	4	3.2	3	Personal Family Migration
Pawan	Associate (Level 1)	21	1	3.0	5	Higher Studies
Buvan	Manager (Level 5)	33	8	4.6	6	To Gain and explore new learnings