Machine Learning: Problem Statement

The attached data has records of 444 employees in a firm. The variables are described below

Age: Age of the employee

Gender: Gender of the employee

Engineer: Whether the employee is an Engineer

MBA: Whether the employee is a MBA

Work Exp (work experience in completed years)

Salary: Salary in Rs Lakhs

Distance (in Km): The distance between the employee's residence and office

License: Whether the employee has a license

Transport: Main mode of transport taken by the employee

Data (first few records)

Age	Gender	Engineer	MBA	Work Exp	Salary	Distance	license	Transport
28	Male	0	0	4	14.3	3.2	0	Public Transport
23	Female	1	0	4	8.3	3.3	0	Public Transport
29	Male	1	0	7	13.4	4.1	0	Public Transport
28	Female	1	1	5	13.4	4.5	0	Public Transport
27	Male	1	0	4	13.4	4.6	0	Public Transport
26	Male	1	0	4	12.3	4.8	1	Public Transport
28	Male	1	0	5	14.4	5.1	0	2Wheeler

-Build a model that best explains the employee's decision to use cars as the main means of transport?

-What would your predictions regarding their choice of transport be for the following two employees?

Age	Gender	Engineer	MBA	Work Exp	Salary	Distance	license
25	Male	0	0	2	10	5	1
25	Female	1	0	2	10	5	0