**Dataset:** 400 customers of a car manufacturing company

With age and salary, we predict the purchased (as dependent variable)

Using decision tree, I am trying to find the accuracy and trying to compare the accurate amount of prediction I received using other models

**Dataset:**

In this I have used a dataset of social network ads

Here I have been working as data scientist of car company

Company has launched a brand-new car

I need to train the model using logistic regression of classification to predict which of Company’s previous customers will buy a brand-new irresistible car launched by the company

Now, as a data scientist, I train a classification model to predict which customer buys it

**Data given to me:**

Customers age

Customers estimated salary

Purchased variable: this tells if customer have brought older SUV of the car company

We have 0’s and 1’s saying if customer has brought these SUV’s or not

1. : customer did not buy
2. : customer did buy

Once I predict, advertising team will post on social networks and they will be targeted to customers whom we predict have potential to be a future customer to the same company by purchasing a brand-new SUV If given good deals

Decision tree classification:

Using decision tree, I am trying to find the accuracy and trying to compare the accurate amount of prediction I received using other models

**Final Exercise:**

To determine which of the customers will buy the brand-new SUV which is newly launched by the car company which they are using already, so that advertising team can target the advertisement on those target audience through social media