Overview of Artificial Neural Networks Example

Dataset Link:

<https://github.com/MGCodesandStats/datasets>

(Press Clone or Download🡪 Download ZIP🡪 Find Cars.csv)

Dataset Content:

This dataset contains six columns. It gives information about customers who purchased cars. The first five columns contain information such as the age, gender, average miles driven per day, personal debt and monthly income of the customers and the last column gives information about the money they spent to buy a new car.

Problem:

We would like to make a model which will be able to predict the value of a potential car sale (i.e. how much money a particular person will spend on buying a car) based on various customers’ attributes.

Solution:

We want to develop a regression model using Artificial Neural Networks which allows us to predict how much money a potential customer would spend to buy a car.

Variables:

Independent variable 🡪 Age, Gender, Miles, Debt, Income.

Dependent variable 🡪 Car sale.