

Problem Statement

CPU Performance Prediction
From given hardware dataset.

Q Given Dataset

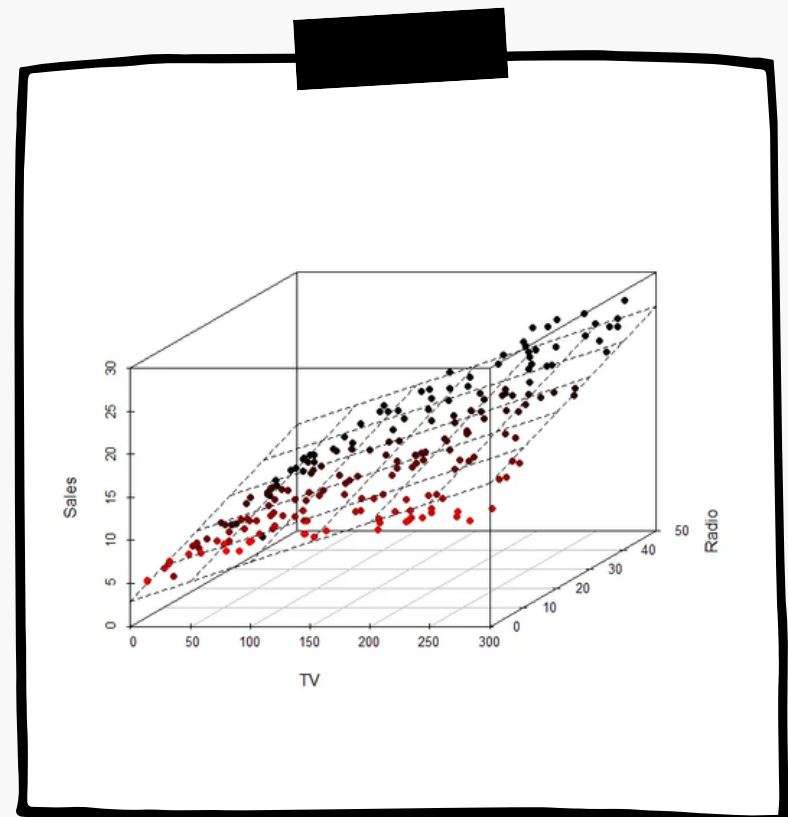


Data Set Characteristics:	Multivariate	Number of Instances:	209	Area:	Computer
Attribute Characteristics:	Integer	Number of Attributes:	9	Date Donated	1987-10-01
Associated Tasks:	Regression	Missing Values?	No	Number of Web Hits:	343126

Multiple Regression

What is multiple Regression?

- It is a linear approach to modeling the relationship between a scalar response and one or more explanatory variables
- It is a statistical technique that uses several explanatory variables to predict the outcome of a response variable.



Random Forest

What is Random Forest?

- Operates by constructing a multitude of decision trees at training time
- Outputting the class that is the mode of the classes or mean/average prediction of the individual trees.

