Overview of Multiple Linear Regression Example

Dataset Link:

<https://www.kaggle.com/kyasar/boston-housing>

Dataset Content:

This dataset contains fourteen columns. Most of them describe features related to houses (e.g. number of rooms per house) and the last one gives information about the median value of each house in US $.

Problem:

We are working as real estate agents and we don’t know how to estimate the value of a house in the suburbs of Boston we are interested in buying.

Solution:

We want to develop a regression model using Multiple Linear Regression which allows us to predict the price of a house in the suburbs of Boston based on important information we have access to.

Variables:

Independent variable/Predictor🡪 Number of Rooms per Housing, Pupil-teacher ration in the town, Percentage of low-income population.

Dependent variable/ Outcome variable 🡪 Median value of a house