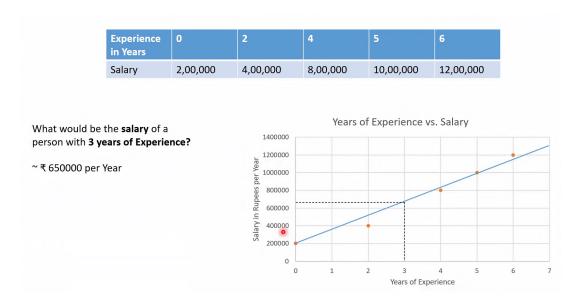


Linear Regression

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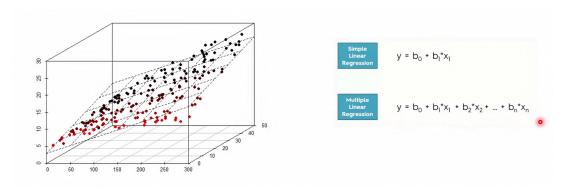
Intuition:

Q.



Multiple Linear Regression:

It is a model for predicting the value of one dependent variable based on two or more independent variables.



Linear Regression 1

Advantages of LR:

- 1. Very simple implement
- 2. Performs well on data with linear relationship

Disadvantages of LR:

- 1. Not suitable for data having non-linear relationship
- 2. Underfitting issues
- 3. Sensitive to Outliers.

Mathematical Understanding:

Loss function, Slope and Intercept

Linear Regression 2