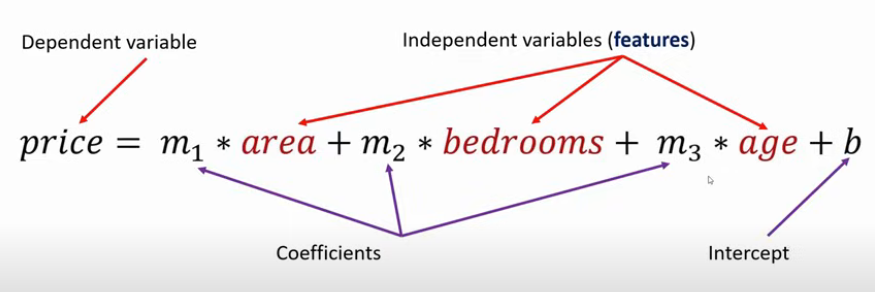
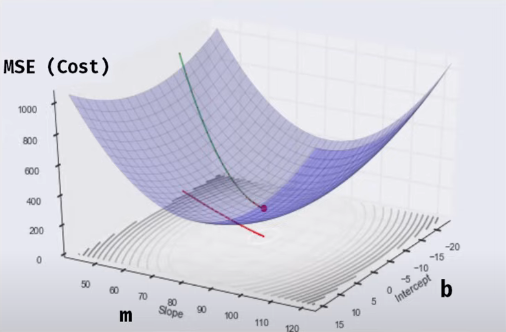
# **Linear Regression With Multiple Variables (Multivariate Regression)**

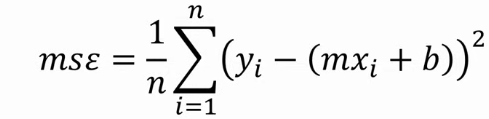
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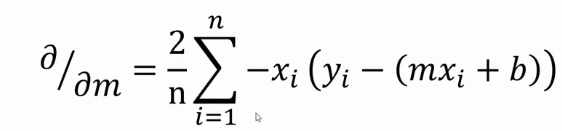
Gradient descent is an algorithm that finds best fit line for given training data set



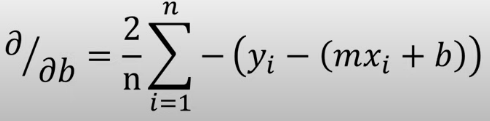
Mean Squared Error



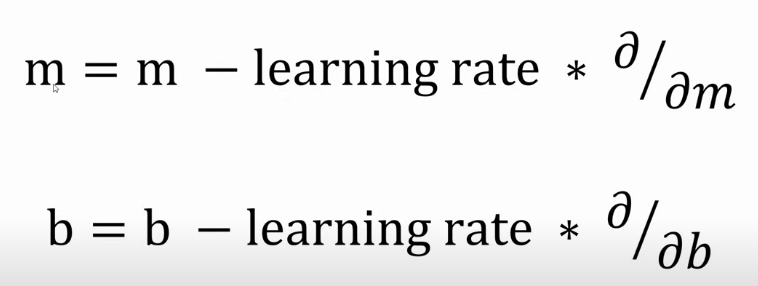
Partial Derivative of m:



Partial Derivative of b:



## **Learning Rate**



<https://www.mathsisfun.com/calculus/derivatives-introduction.html>