Multiple linear regression

Multiple features.

**S = 5 Th feature = 5: 1, 2, 3, mm

**N = number of features

**DI | = features of ith Training example

**SII = value of feature is in ith training example

**SII = value of feature is in ith training example

**SII = value of feature is in ith training example

**SII = value of feature is in ith training example

**SII = No del

by one feature = faib(x) = w x + b

Us multiple features = fo, b(x) = w x + b

= fo, b(x) = w.x + b

= fo, b(x) = w.x + b

dot product

**Autiple linear regression = not multivariate regression

Feature engineering

Feature engineering:
Using intuition to design
new features, by
transforming or combining
original features.