Multiple tables : Matrices

$$J = \sum_{i=1}^{n} (\hat{y}_i - y_i)^2$$

$$MSE = \frac{1}{m} \sum_{i=1}^{n} (\hat{y}_i - y_i)^2$$

$$= \frac{1}{m} \|\hat{y} - y\|_2^2$$

$m \rightarrow$ no. of observations / samples.

Minimize MSE i.e. gradient / slope = 0