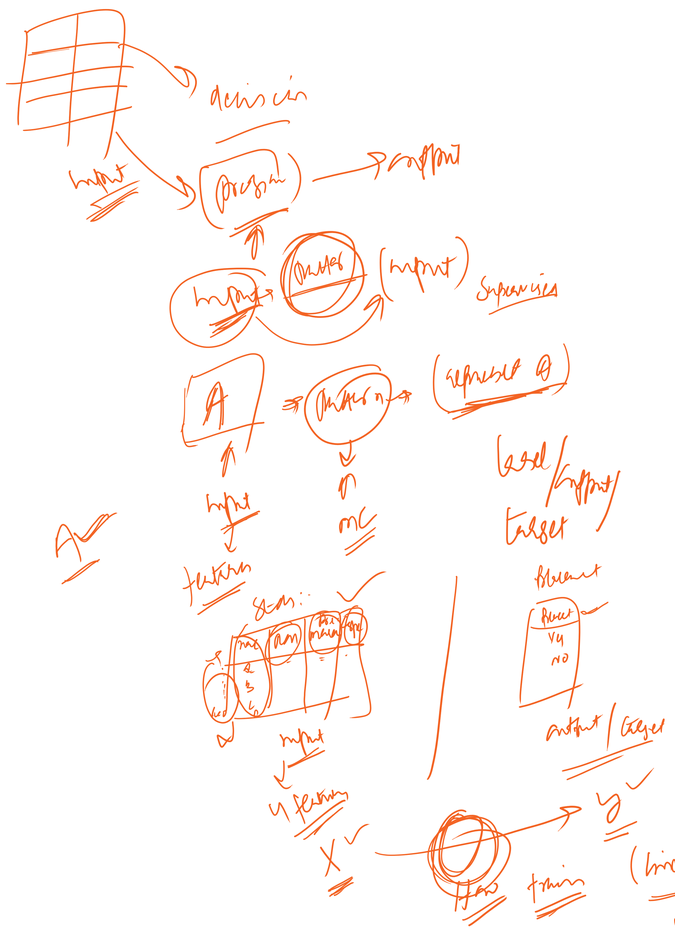

$y = B_0 + B_1 x$

$y = B_0 + B_1 x$

$x = 2$, $y = 7$

x	y
2	7

$7 = B_0 + B_1 \times 2$

$= 1 + B_1 \times 2$

$B_0 = 1$

$B_1 = 3$

x	y
2	4
3	9
4	16
5	25

(Error)

$B_0 =$

$B_1 =$

co-efficients

parameters

training

Linear Regression

x & y (mean age)

linear

$y = B_0 + B_1 x$

$y = B_0 + B_1 x_1 + B_2 x_2 \cdots B_n x_n$

x_{1000}

B_0 → line intercept

linear line B_1 → line slope

means linearly

means linear

relation

y-term

$B_0 = ?$

$B_1 = ?$

B_0 → line

B_1 slope

Residuals = ?

new data / test data

correlation

coefficient for

minimize