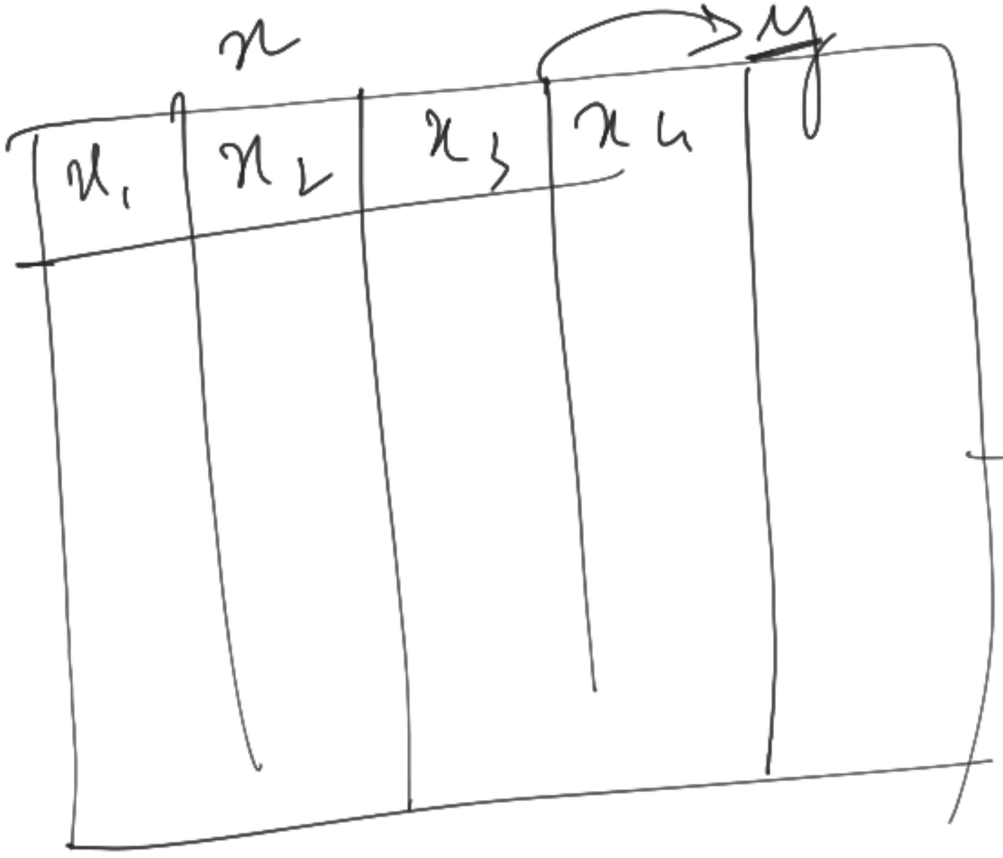
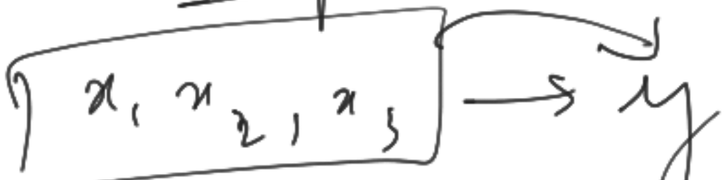
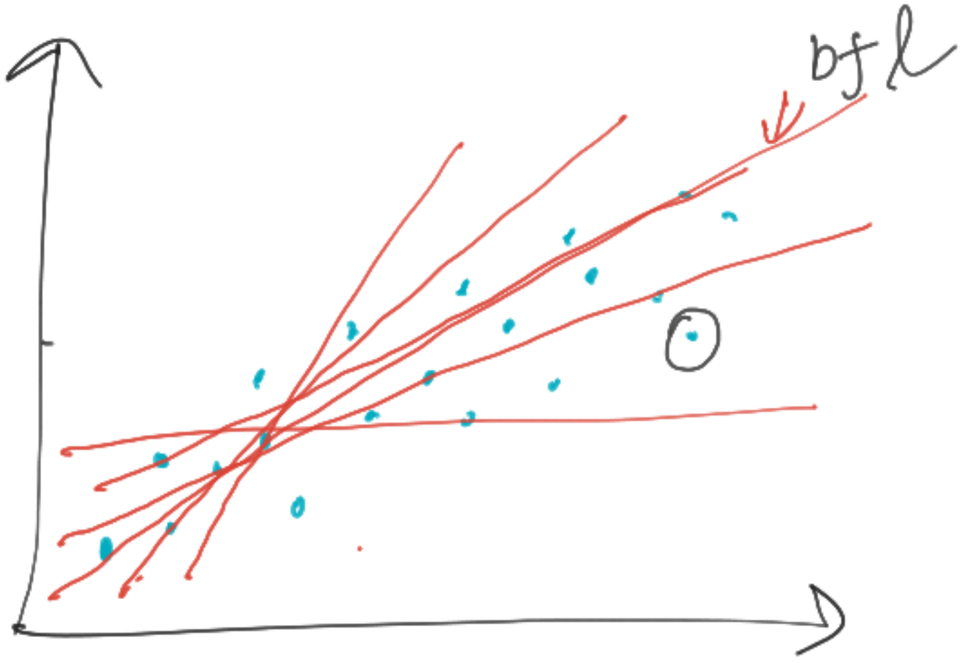


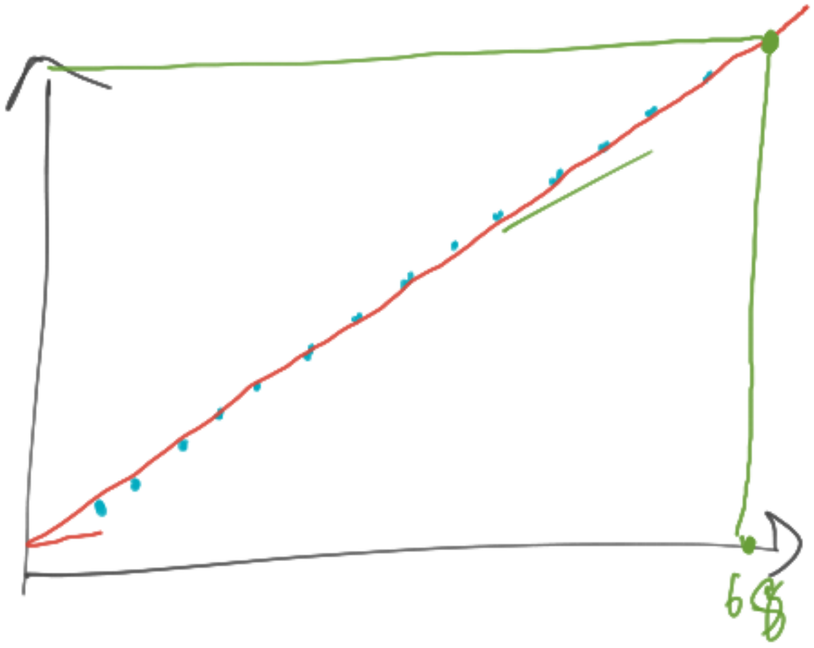
Simple LR



Multiple LR

Poly LR





cgpa = 6.5 → 3 cgpa

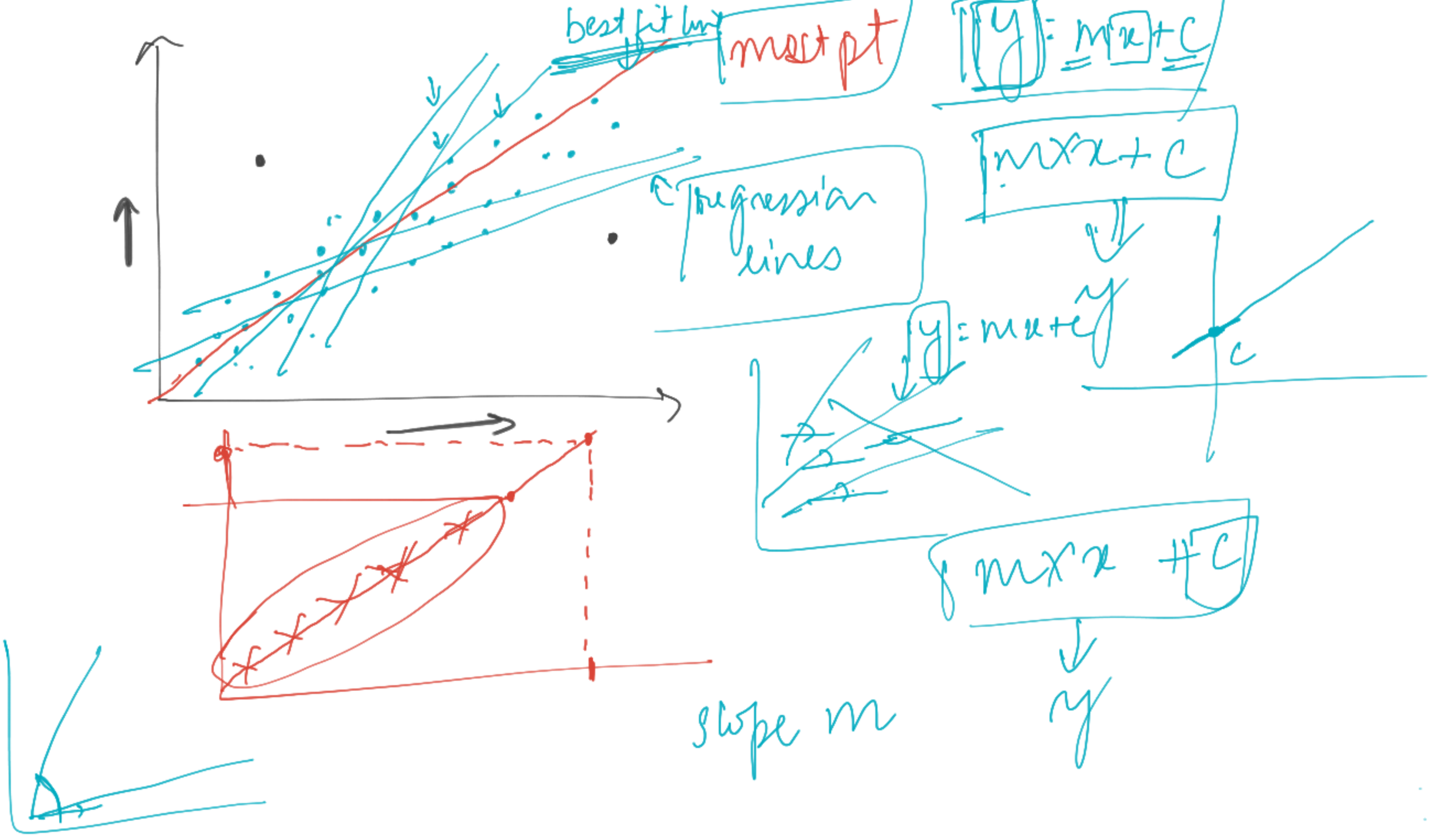
6.8

3

$y = mx + c$

m, c

3. $m \times 6.8 + c \Rightarrow y$


best fit line
mean pt
y = mx + c
regression lines
mx + c
y
y = mx + c
c
mx + c
y
slope m
y

$y = mx + c$

$c \rightarrow 17K$

sal → y

exp → x

$y = 0$

$y = 17K$

$y \rightarrow m$

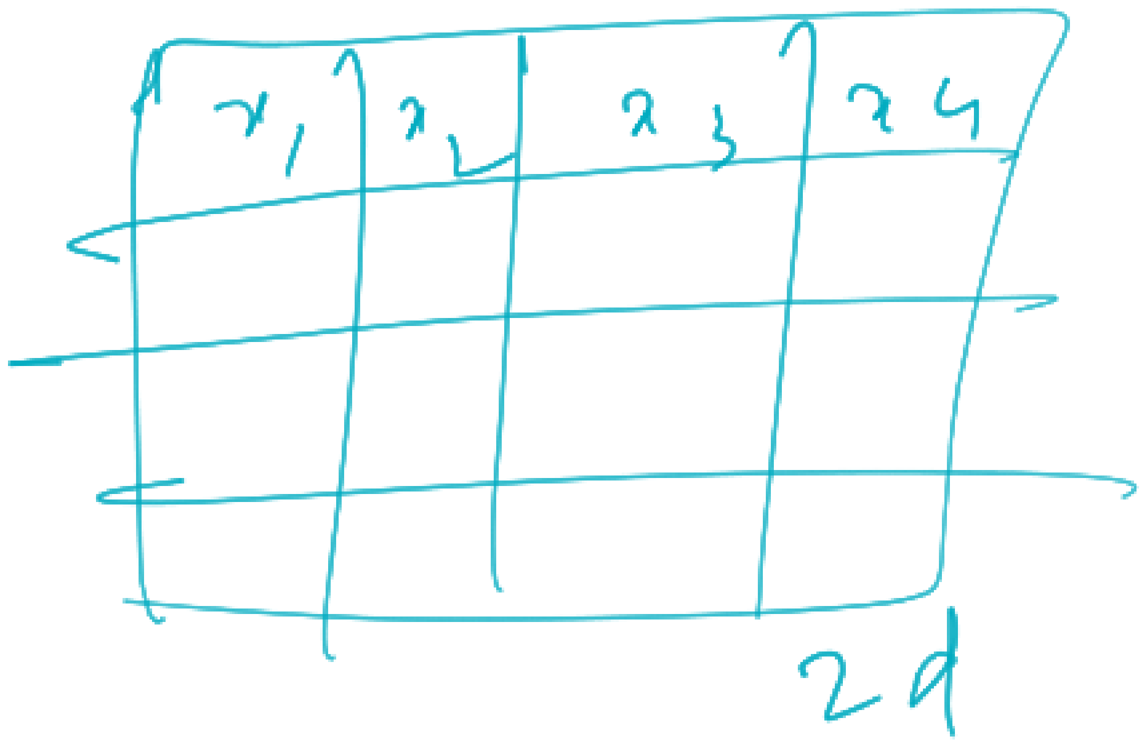
$y = mx$

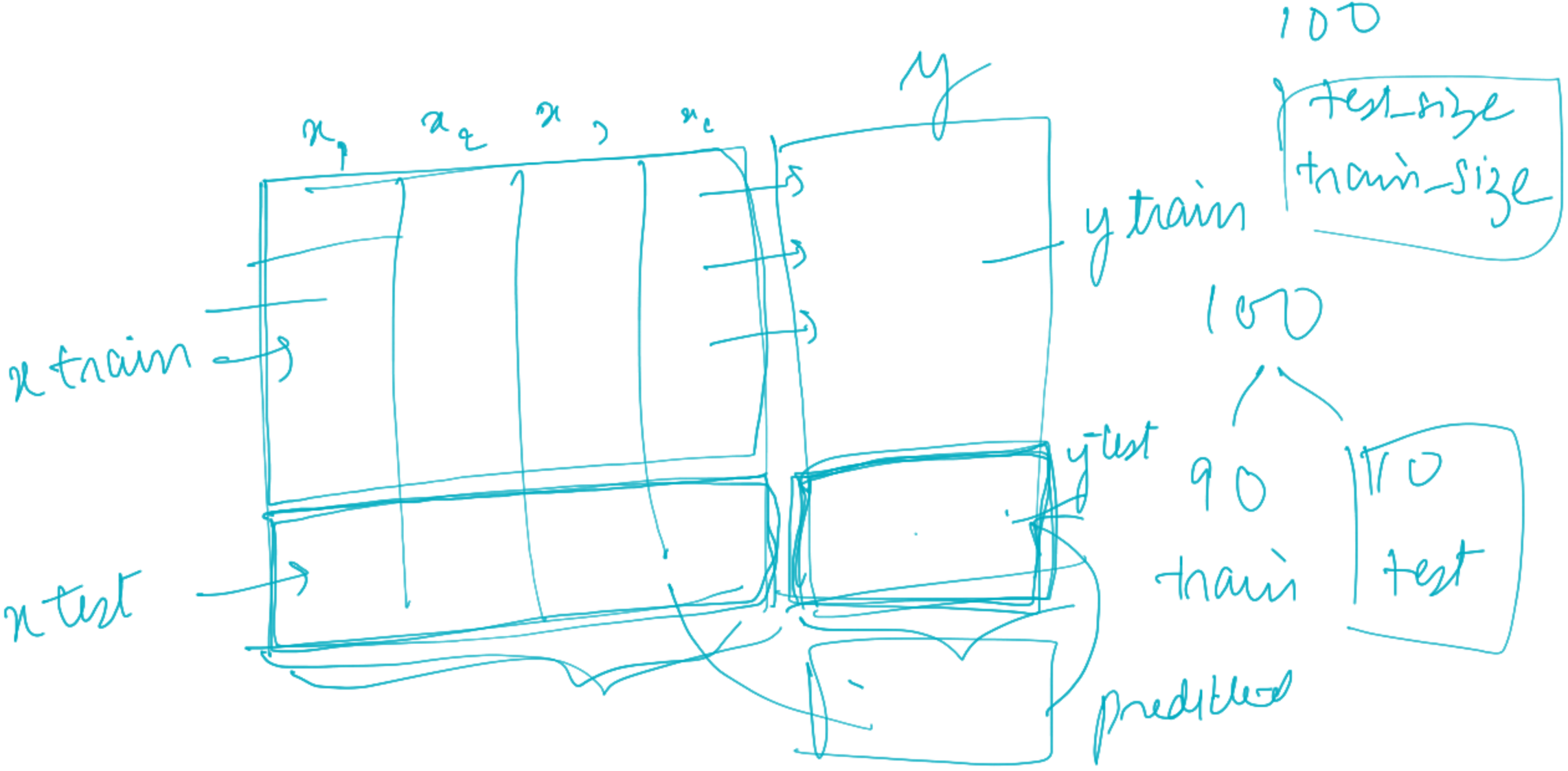
$m \rightarrow$ slope

$= 1x$ $0.5x$ $0.02x$

$= 2x$

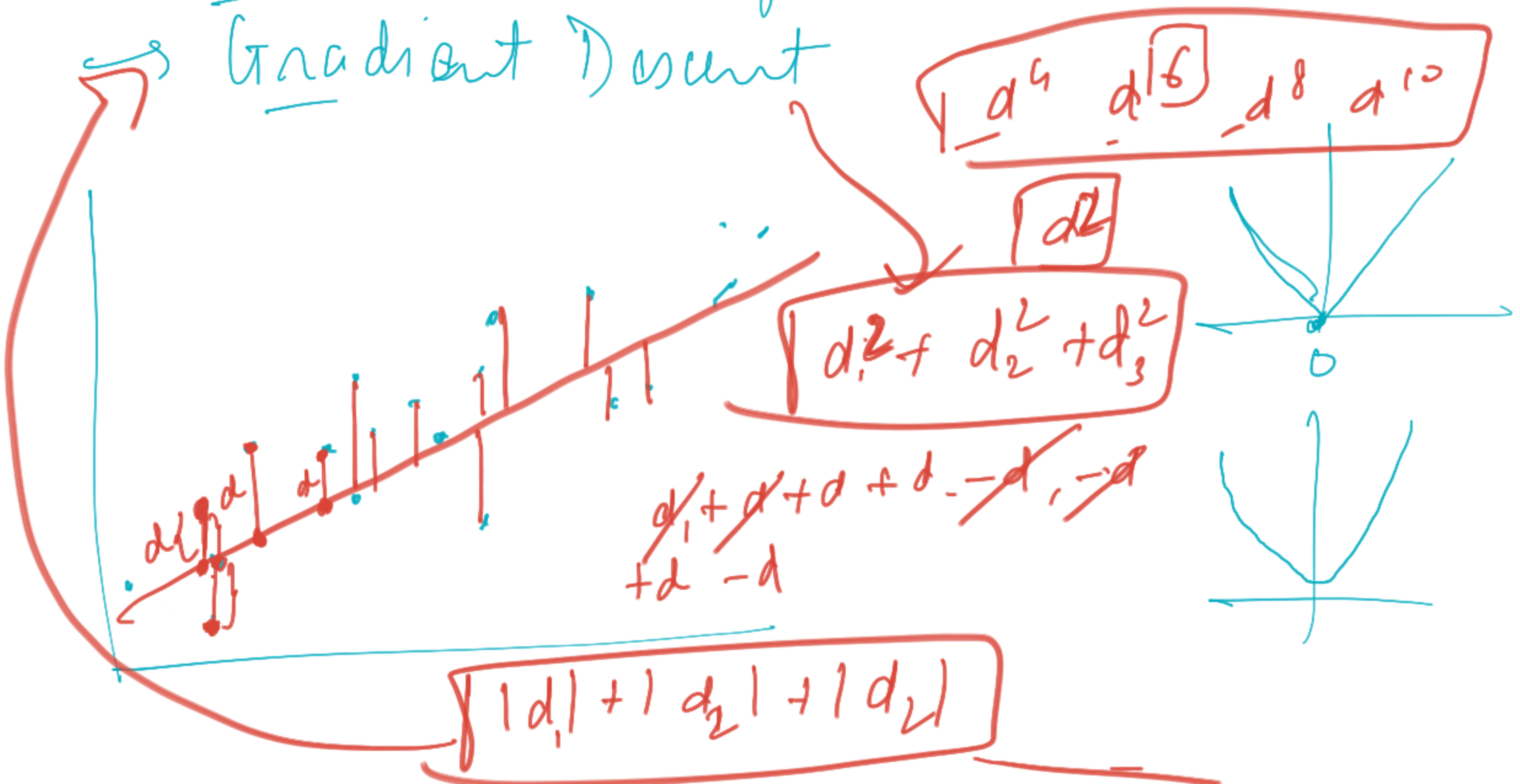
$3x$




100
test_size
train_size
y
x_1 x_2 x_3 x_4
y train
x train
100
y test
x test
90
train
10
test
predicted

→ OLS (Ordinary least square)^2

→ Gradient Descent



error: $|d_1| + |d_{\cdot}$ ...

$d_1^2 + d_2^2 + d_5^2 \ldots$

m_2 $d_1^2 + d_2^2 + d_5^2$

d_1^2

m -