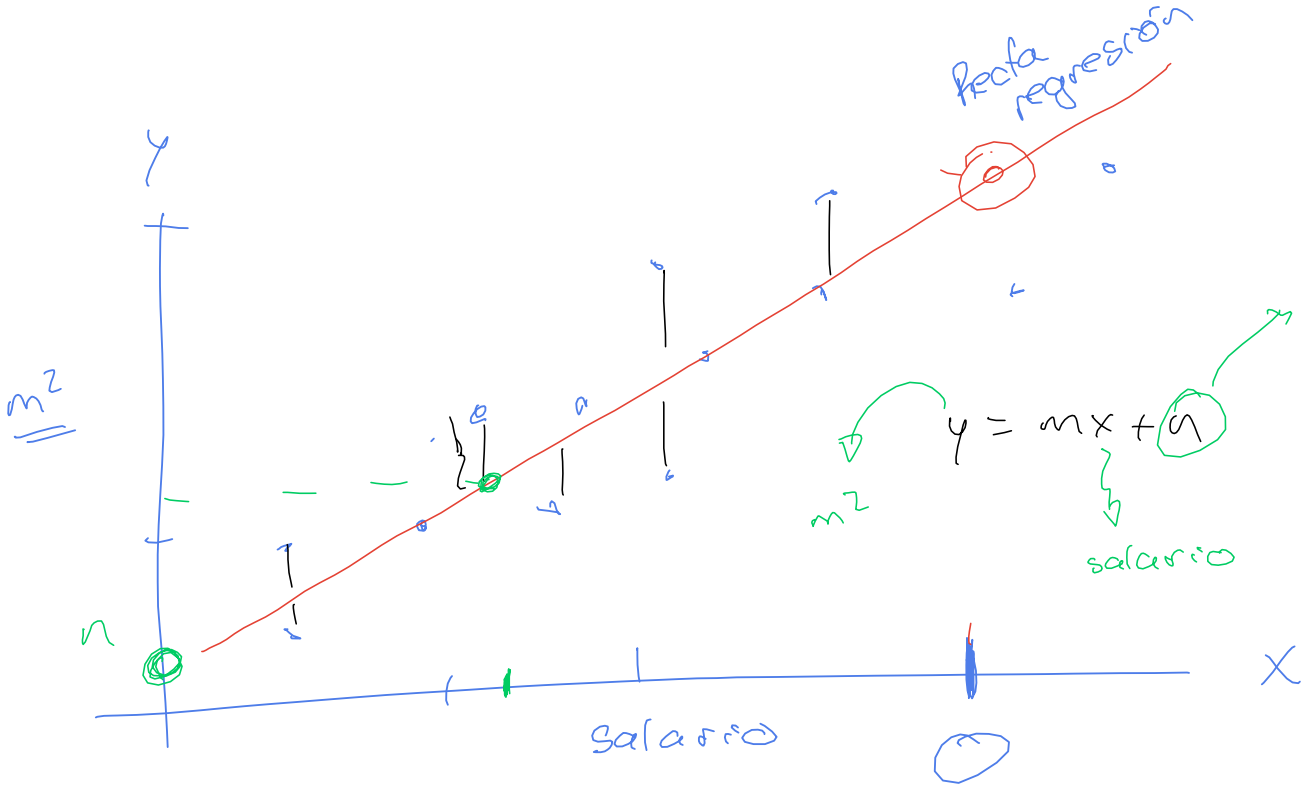
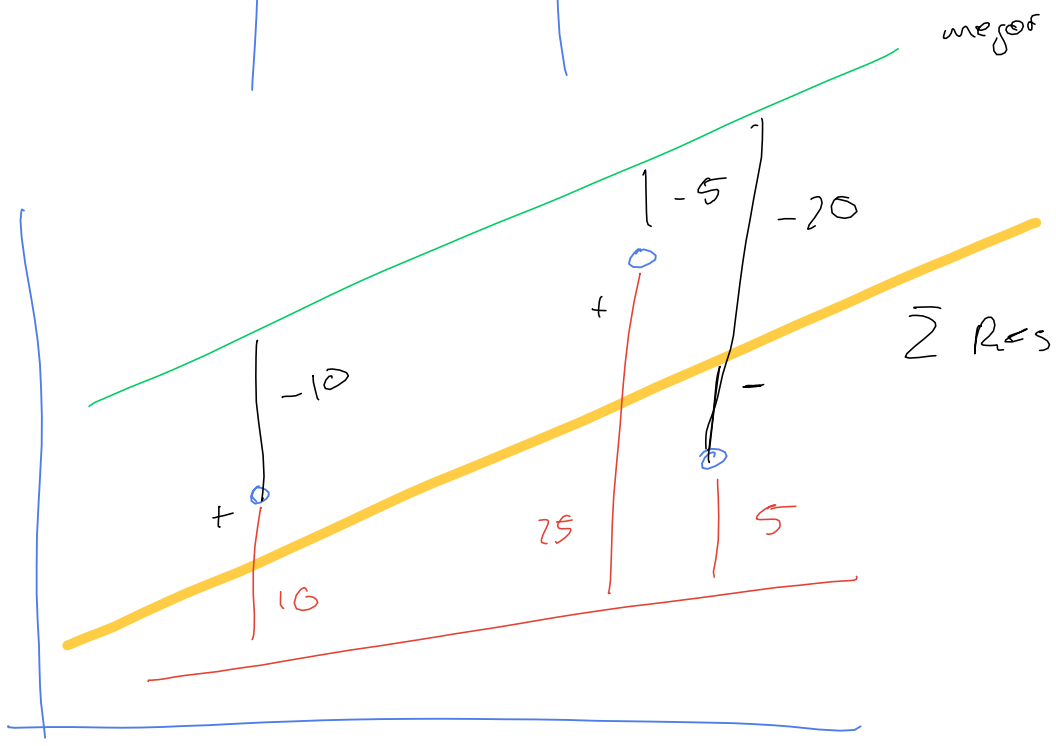
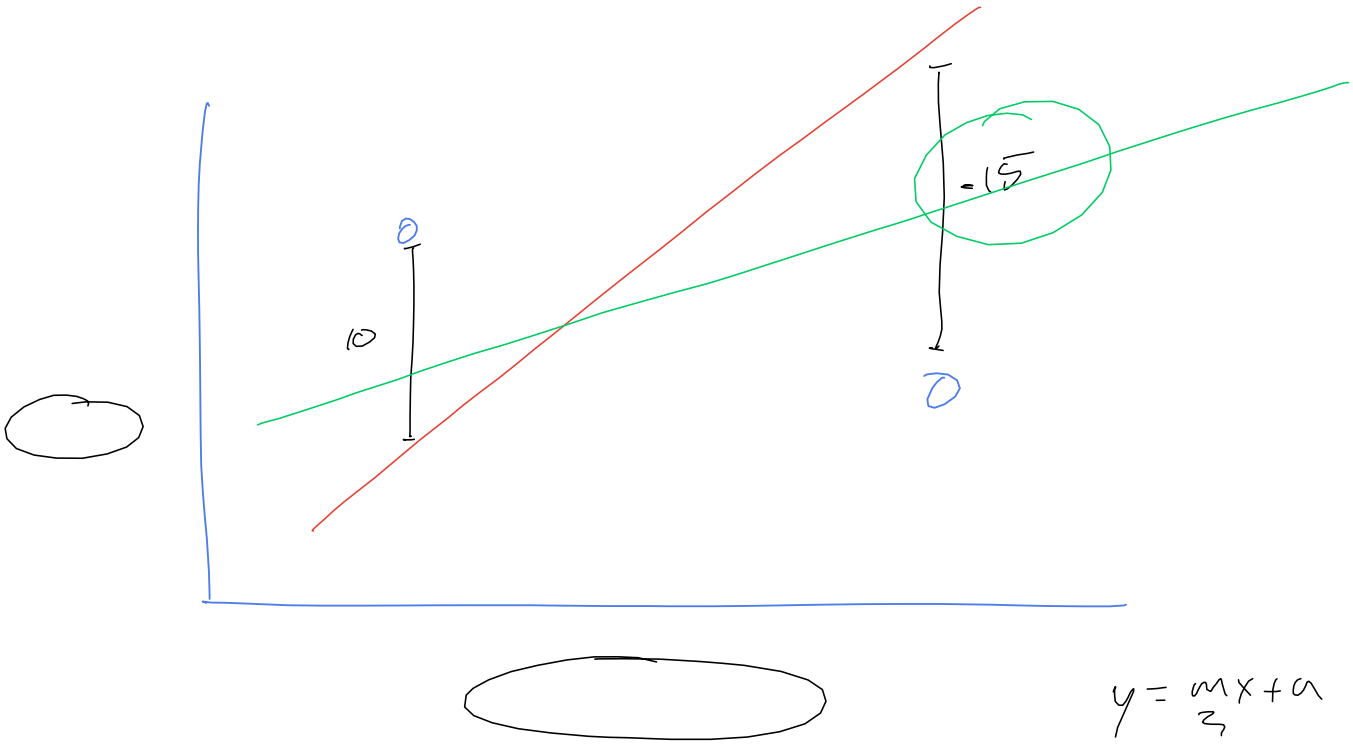


	Y Salario	Y m^2
1	100	90
2	200	
3		

min (Res)

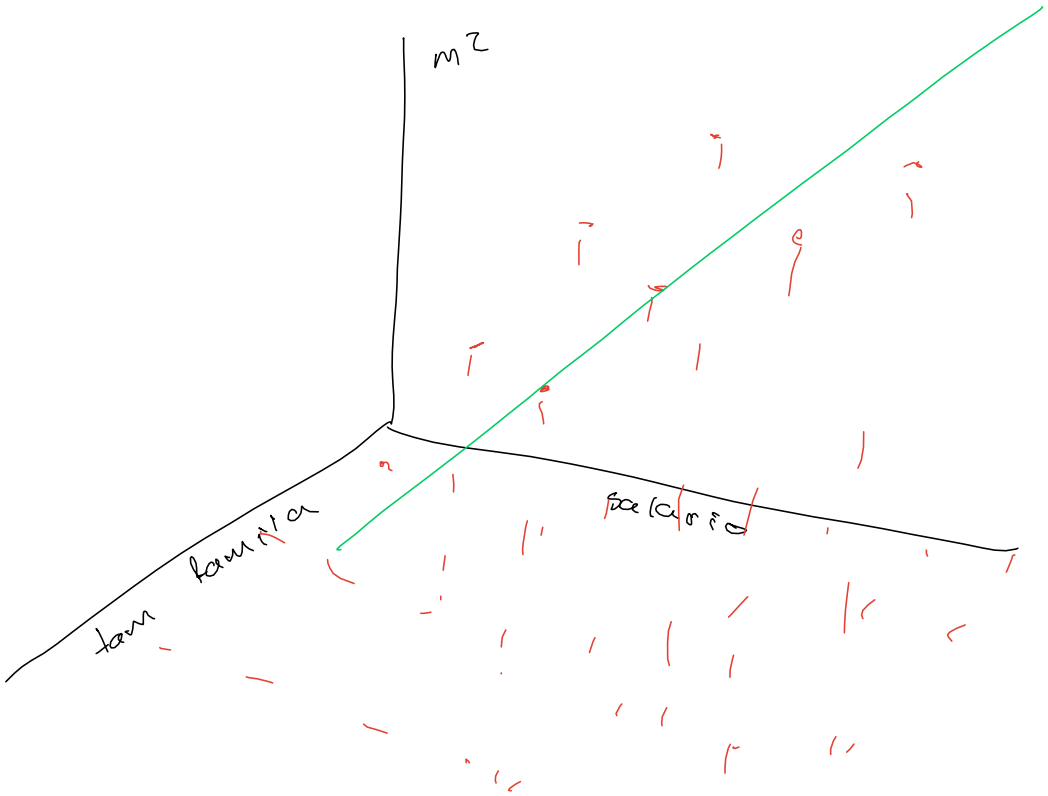




$y = mx + a$

$$\hat{y} = m x + \beta_0$$

$$\hat{y} = \beta_1 x_1 + \beta_0$$



$y = \beta_2 \cdot x_2 + \beta_1 x_1 + \beta_0$ (+ familia, salario)

$y = 4 x_2 + 6 x_1 + 2$

$78 = 4 \cdot 4 + 6 \cdot 10 + 2$ 3

$82 = 4 \cdot 5 + 6 \cdot 10 + 2$ aum. 1 familia

$84 = 4 \cdot 4 + 6 \cdot 11 + 2$ aum 1 salario

$y = -\beta_3 x_3 + \beta_2 x_2 + \beta_1 x_1 - \beta_0$

y: m^2 — x_3: precio medio alquiler en fu zona — x_2: tam hom — x_1: salario

1 — 10

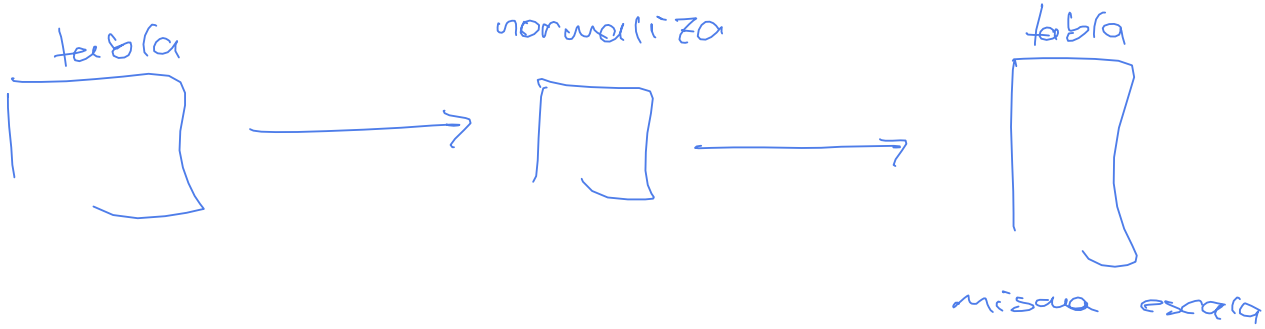
20 — 200

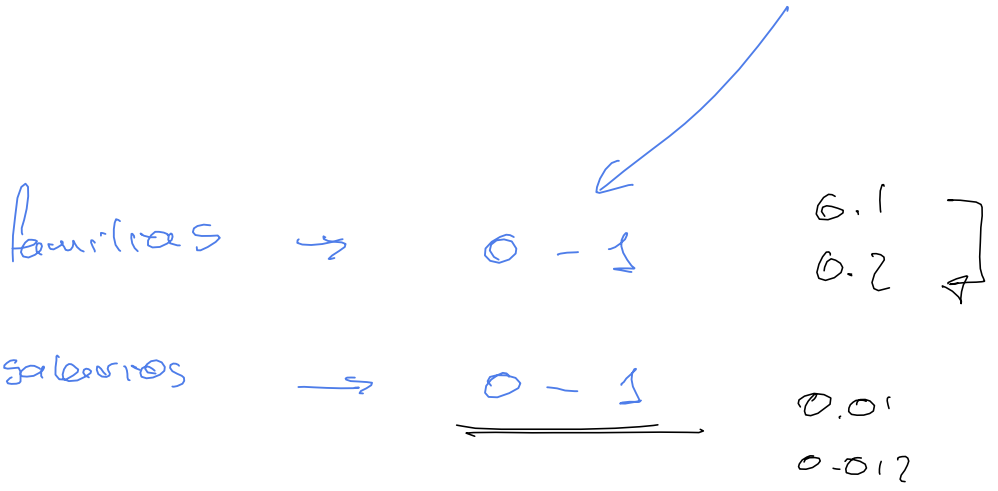
1 - 10

70.000 — 200.000

$y = \beta_2 x_2 + \beta_1 x_1$

β_2 (4) x_2 — β_1 (6) x_1: 20.000, 20.001





$$y = \beta_2 x_2 + \beta_1 x_1 \quad \| \quad \Delta x_1 = 1 \Rightarrow \Delta y = \beta_1$$

$$\ln(y) = \beta_2 x_2 + \beta_1 x_1 \quad \| \quad \Delta x_1 = 1 \Rightarrow \Delta y \Rightarrow \beta_1 \%$$

+1 tamaño familia

$\Downarrow$

$+\beta_2\%$ m^2 de mi casa

$$y = \beta_2 x_2 + \beta_1 \ln(x_1) + \beta_0$$

$\Delta x_1 = 1\% \Longrightarrow \Delta y = \beta_1 \Delta x$ (en x.)

100
110

aum. 10% $\Longrightarrow \Delta y = \beta_1 \cdot 10\%$

$$y = \beta_2 x_2 + \beta_1 x_1 + \beta_0$$

100
110

aum 10 $\Longrightarrow \Delta y = \beta_1 \cdot 10$

$$y = \beta_3 x_2 x_1 + \beta_2 x_2 + \beta_1 x_1 + \beta_0$$

interacción entre var.

coef interacción