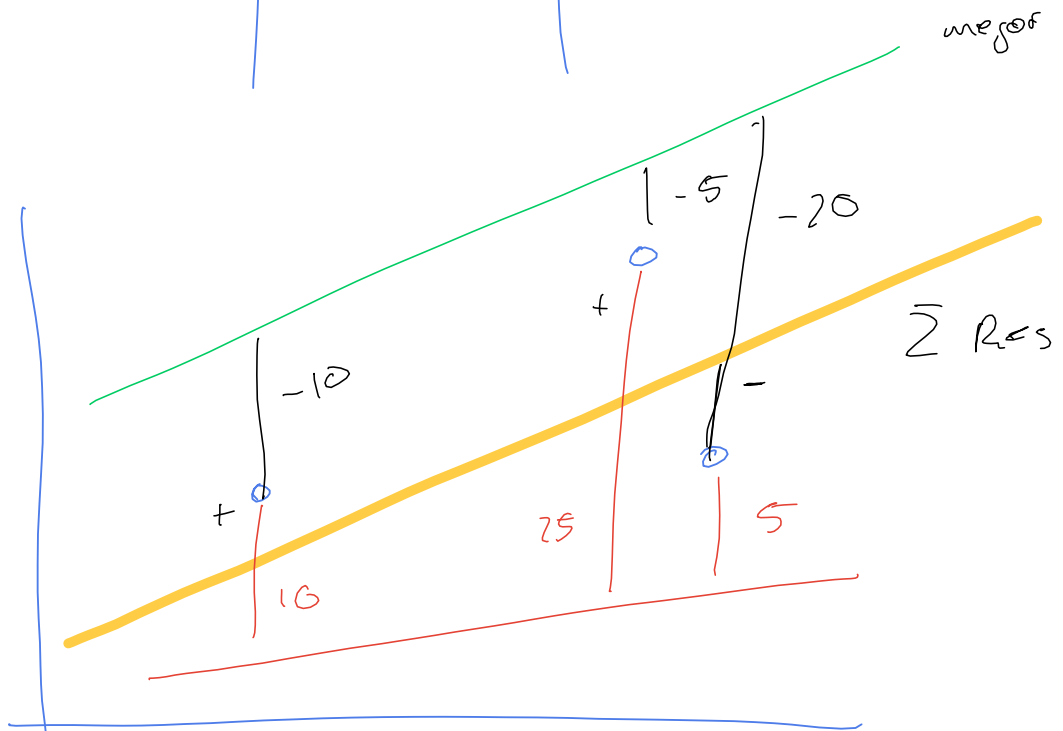
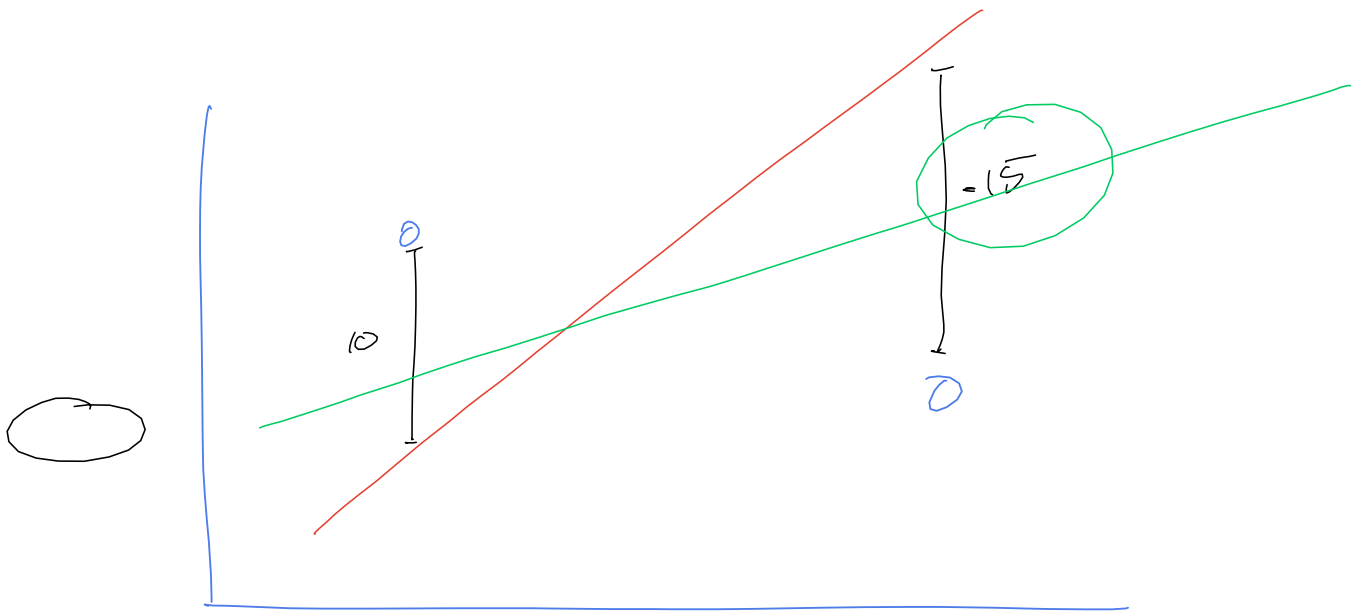


	y	y
	salario	m^2
1	100	80
2	200	
3		

$\min(\text{Res})$

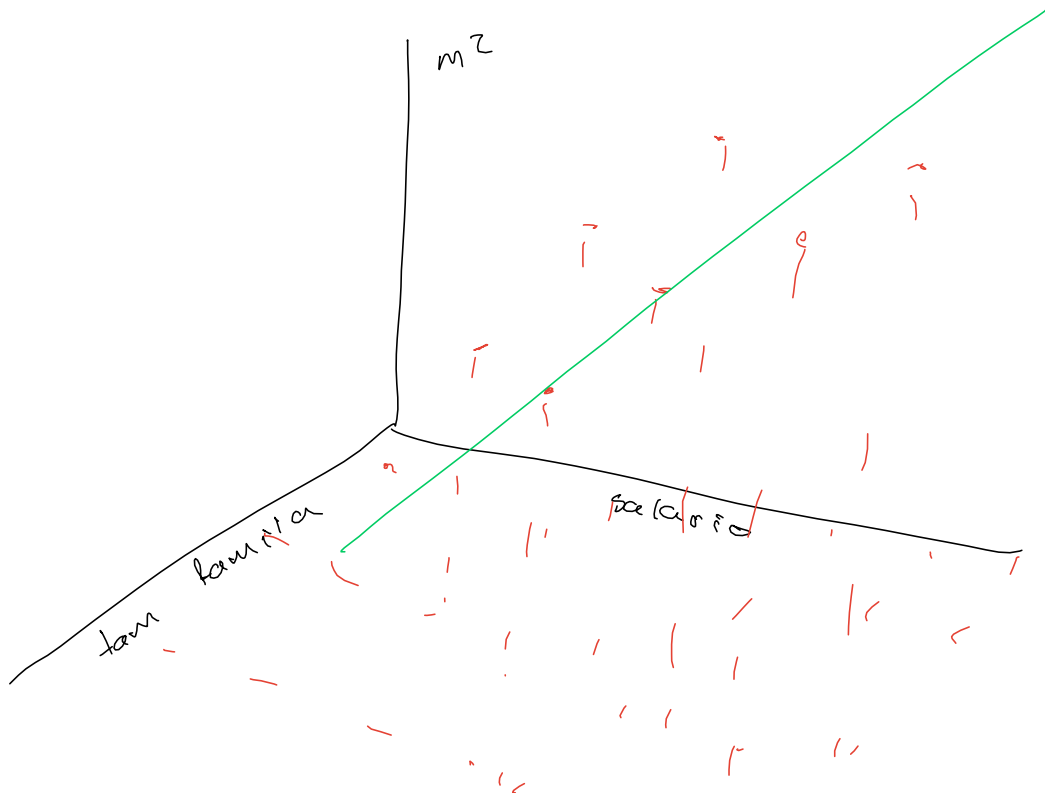




$$y = mx + a$$

$$\hat{y} = mx + \beta_0$$

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



$$y = \underline{\underline{\beta_2}} \cdot \overset{+ \text{ familia}}{\textcircled{x_2}} + \underline{\underline{\beta_1}} \cdot \overset{\text{salario}}{\textcircled{x_1}} + \underline{\underline{\beta_0}}$$

$$y = 4x_2 + 6x_1 + 2$$

$$78 = \underline{4} \cdot 4 + \underline{6} \cdot 10 + 2 \quad 3$$

$$82 = \underline{4} \cdot 5 + \underline{6} \cdot 10 + 2 \quad \text{aum. 1 familia}$$

$$84 = \underline{4} \cdot 4 + \underline{6} \cdot 11 + 2 \quad \text{aum 1 salario}$$

precio medio
alquiler en la zona

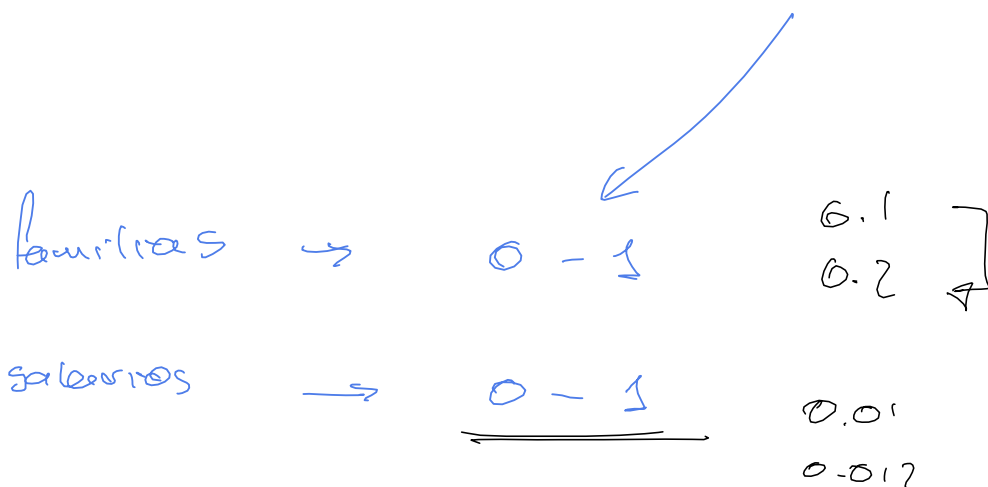
tan tan salario

$$\overset{m^2}{\textcircled{y}} = \beta_3 \textcircled{x_3} + \underline{\underline{\beta_2}} \textcircled{x_2} + \underline{\underline{\beta_1}} \textcircled{x_1} + \beta_0$$

1 10 20 - 200

1 - 10 20.000 - 200.000

$$\underline{\underline{y}} = \beta_2 \textcircled{4} x_2 + \beta_1 \textcircled{6} x_1 \quad \left[\begin{array}{l} 20.000 \\ 20.000 \end{array} \right]$$



$\rightarrow y = \beta_2 x_2 + \beta_1 x_1 \quad \parallel \begin{cases} \Delta x_1 = 1 \\ \Delta y = \beta_1 \end{cases}$
 $\ln(y) = \beta_2 x_2 + \beta_1 x_1 \quad \parallel \begin{cases} \Delta x_1 = 1 \\ \Delta y \Rightarrow \beta_1 \% \end{cases}$
 + 1 tamanho família
 \Downarrow
 + $\beta_2 \%$ m² de mi casa

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

$$\Delta x_1 = 1\% \implies \Delta y = \beta_1 \Delta x (\text{en } \%)$$

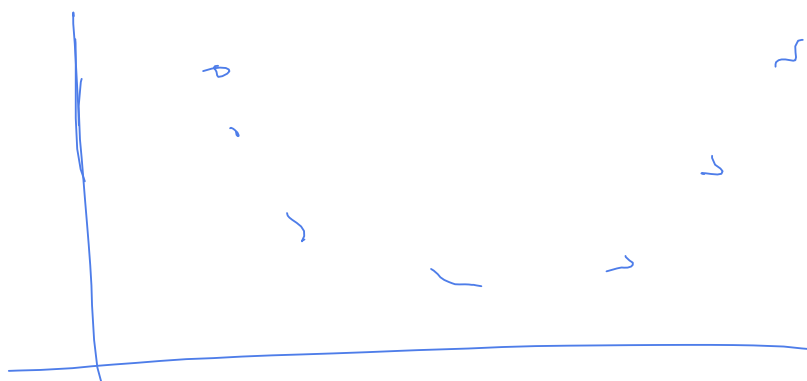
$$\begin{array}{|c|} \hline 100 \\ \hline 110 \\ \hline \end{array} \parallel \text{aum. } 10\% \implies \Delta y = \beta_1 \cdot 10\%$$

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

$$\begin{array}{|c|} \hline 100 \\ \hline 110 \\ \hline \end{array} \parallel \text{aum } 10 \implies \Delta y = \beta_1 \cdot 10$$

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

interacción entre var.
coef interacción



$$y = mx + n$$

$$y = x^2 - \dots$$

