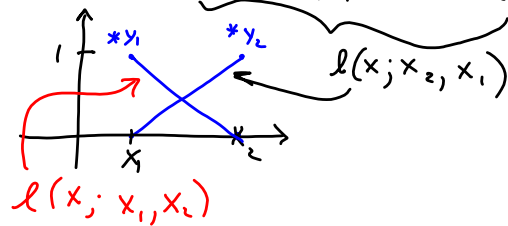


$$x_1 \neq x_2$$

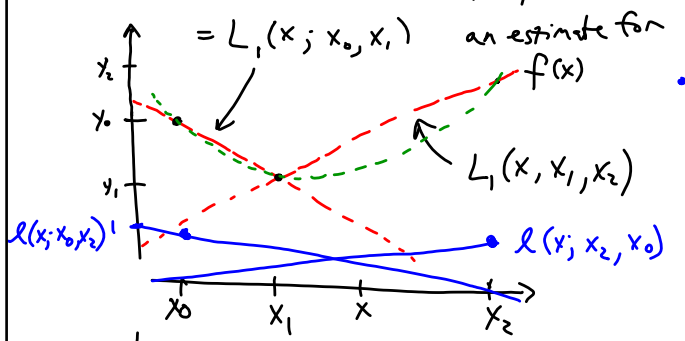
$$L_1(x) = y_1 \frac{(x - x_2)}{(x_1 - x_2)} + y_2 \frac{(x - x_1)}{(x_2 - x_1)}$$



$$P_{0,1} = \frac{(x - x_0) P_{1,0}(x) - (x - x_1) P_{0,0}(x)}{x_1 - x_0}$$

$$= \frac{(x - x_0) y_1 - (x - x_1) y_0}{y_1 - y_0}$$

$$= y_0 \left(\frac{x_1 - x}{x_1 - x_0} \right) + y_1 \left(\frac{x - x_0}{x_1 - x_0} \right)$$



x_0	y_0	$L_1(x; x_0, x_1)$	
x_1	y_1	$L_1(x; x_1, x_2)$	$L_2(x; x_0, x_1, x_2)$
x_2	y_2	$L_1(x; x_2, x_3)$	$L_2(x; x_1, x_2, x_3)$
x_3	y_3		